

Professional Lighting Solutions

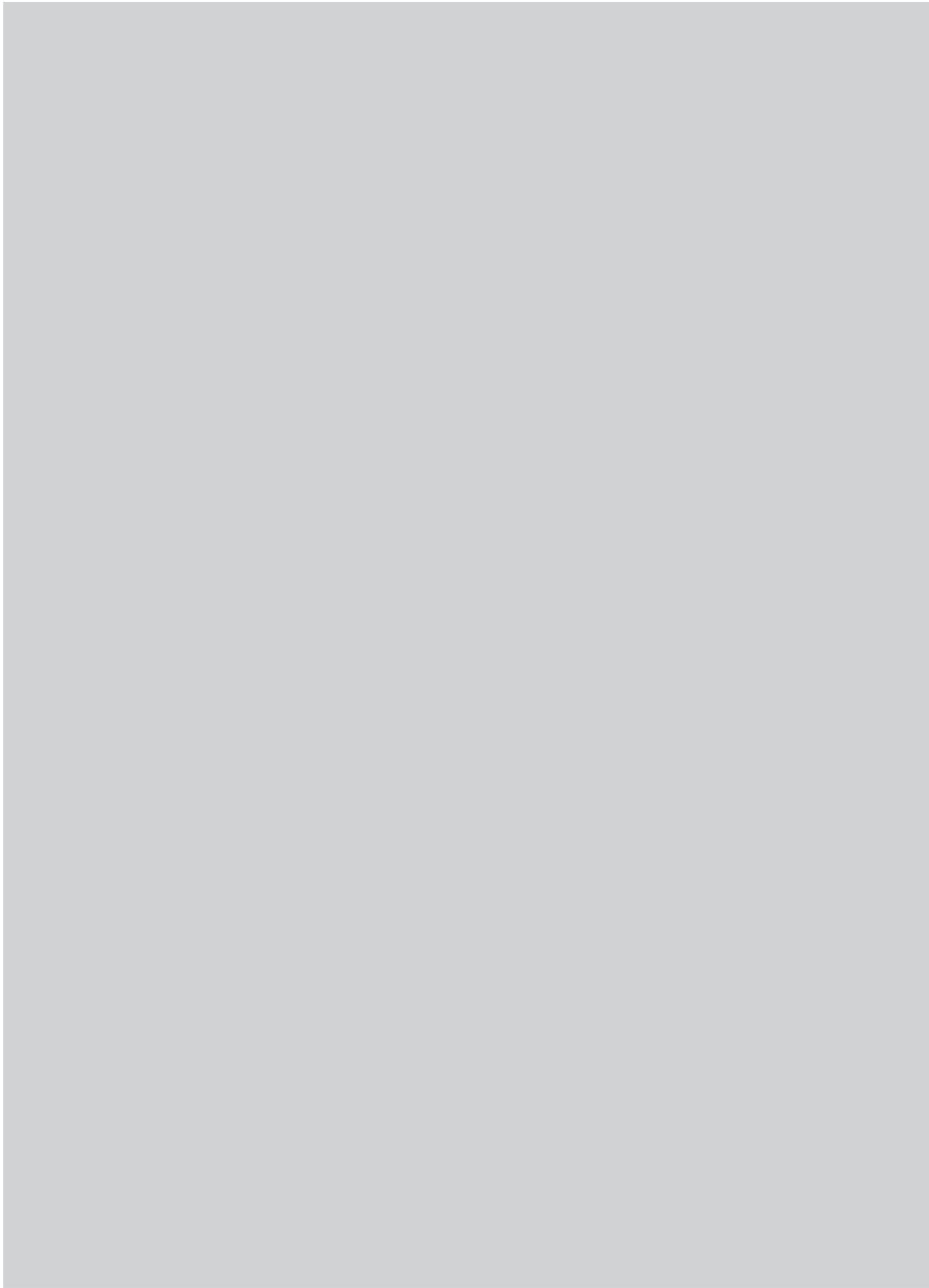


Professional Lighting Solutions

2021.22
CATALOG



setolite.com



SETOLITE

LICHTTECHNIK GMBH ...

... has been developing, producing and marketing high-quality lighting systems for mobile and stationary use since 1995.

We have more than 25 years of experience in developing and manufacturing professional lighting systems for a wide range of industries and applications. Continuous development, direct contact with our customers and the continuous striving for quality are the cornerstones of our success.

Sustainability is also a top priority at SETOLITE. By taking into account the latest technical developments on the lighting market and the use of particularly high-quality and durable components, a long product life with high economic efficiency is ensured. In doing so, we rely on modular design, which enables us to efficiently maintain individual components even after years. For this reason, our customers from industry, trades, tracks, tunnels, roads, structural and civil engineering, as well as rescue, emergency and armed forces in Europe value us as a competent partner.

1995 . Foundation of SETOLITE Ltd. by Peter Schultz & Rolf Schulte

1998 . Start of own production with the ALDEBARAN® 1000 SERIES

2000 . Change of name to today's SETOLITE Lichttechnik GmbH

2006 . Foundation of another production site

2010 . Overall assumption of the management by Peter Schultz

2012 . Relocation of the headquarters from Wermelskirchen to Hückeswagen

2016 . Expansion of usable space at the second production site

2020 . Today: 60 employees on a 3000 m² area

FUNCTIONALITY

OF INDIVIDUAL PRODUCTS

For a better overview, we have developed a range of icons that help to gain a quick overview of the functionality of the individual products.

	LED technology 2. generation		Emergency light function		SOS signal
	Real measured light emission quantities*		With remote control		Red signal light
	IP code		Fluorescent tube		Halogen illuminant
	Weight		Multi - Colour - Chip		Red filter
	RCK - replaceable cable-kit		Powerbank		
	Segmental switching		Rechargeable		
	Illumination pressure switch		Dimmable light power		
	On / Off button		Low Power		
	Group switching		Flashing function		

* For products with the REAL Lumen (RL) quality seal, the max. Lumen measured values are basically real achieved values in relation to the total product incl. reflector, diffuser, etc. and do not only correspond to the theoretical max. values of the illuminant used. For this purpose, we measure appropriately labelled products ourselves in our in-house lighting laboratory under real operating conditions.

Note: Product descriptions and technical data, as well as availability can be changed without notice.

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SETOLITE

LICHTTECHNIK

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Exterior Illumination



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ALDEBARAN®

360 GRAD FLEX-C

2.0 SERIES



| FLEXIBLE LIGHT ALL - AROUND EFFICIENT

Flexible light all around efficient - the new ALDEBARAN® 360 GRAD FLEX- 2.0 SERIES offers a bit more of everything: more light, more flexibility, more safety. The quantum leap in the field of high-performance large-area luminaires initiated by the ALDEBARAN® 360 GRAD FLEX SERIES is now systematically continued with the new 2.0 models.

The patented adjustment system allows the beam angle of the ultra-bright LED light to be efficiently focused on the work area, thus minimizing the use of stray light with minimal energy consumption – the light arrives where it is needed. Thanks to the new, integrated anti-rotation protection, suspended operation is also possible without special accessories.

The luminaire segments can be switched in pairs (180° / 360°) via a switch box. The latest high-performance LEDs generate a gigantic luminous flux of up to 159000 lumens - this means up to 15000 square meters, depending on the light spot height. The light intensity is steplessly dimmable. Optionally, wireless control via app is possible*. For the first time, the SETO "CONNECT plug system" is installed in the luminaires of the **ALDEBARAN® 360 GRAD FLEX-C 2.0 SERIES****. Thus equipped, the supply line can be replaced in no time. Screw-on quick-release fasteners allow replacement even without specialist personnel. One person is sufficient for assembling and disassembling the luminaire thanks to the integrated receptacle for the common DIN bolt in a matter of seconds.

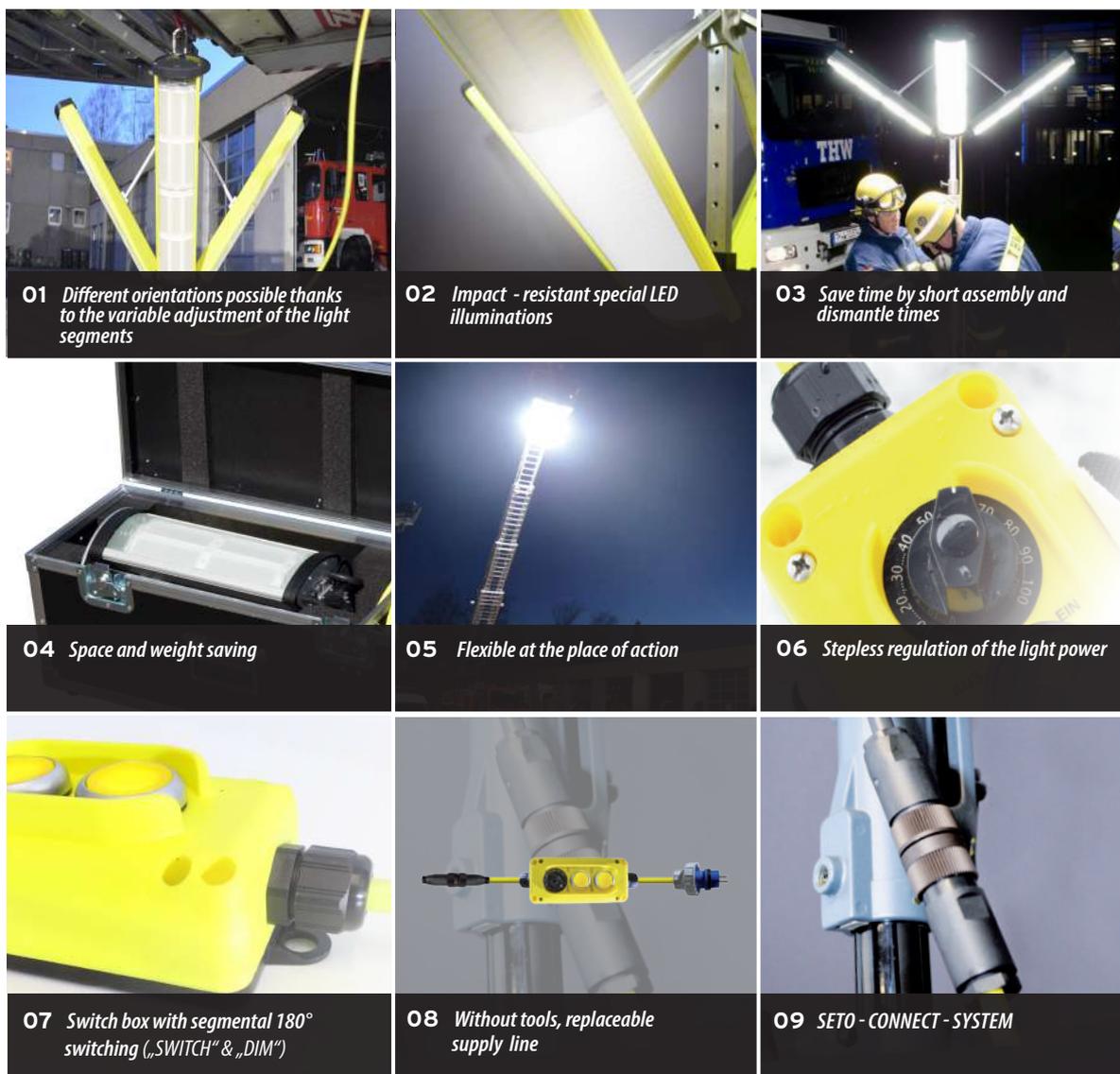
ADVANTAGES

- // **Optimal lighting effect thanks to the multi-stage adjustable angle**
- // **Short assembly and dismantling times without a cooling phase**
- // **Space-saving transport thanks to the integration of drivers and power supplies**
- // **Up to 300 % more light on the floor with less energy consumption than conventional lighting systems******

* Values for 960 variant

** Optional SETO REMOTE technology
*** Depending on the model

**** Depending on the model, compared to conventional light balloons



01
The individual light segments can be switched on or off in pairs (180°). This effectively avoids unintentional glare (e.g. in traffic).

02
The special LED illuminants used are absolutely impact-resistant and do not require you to carry replacement illuminants with you. In addition, thanks to their compact design, the lights are extremely wind-resistant.

03
The lamp can be assembled and disassembled by just one person within a few minutes.

04
Space-saving transport thanks to unsurpassed compactness compared to other solutions (ballasts are installed in the luminaire)

05
The lights of the **ALDEBARAN® 360 GRAD FLEX-C 2.0 SERIES** are suitable for both pole mounting and, thanks to the integrated hook, for suspended operation.

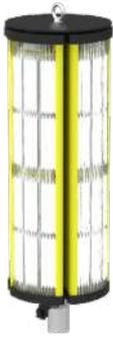
06
The control unit has an additional function for stepless dimming of the light intensity.

07
With the intelligent switch box you can choose between half (180°) and full (360°) lighting level.

08
Replaceable connection lines (depending on the model) with cable strain relief can be replaced accordingly.

09
Thanks to the screwable quick-release fasteners, the connection cables can be replaced quickly and easily.

"CONNECT" FEATURE

360° FLEX-C **960**
WITH CABLE + SWITCHBOX
180° SWITCHABLE + DIMMING FUNCTION

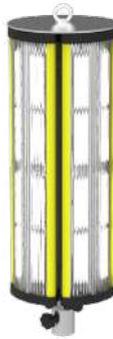
Clear lens, multi-level adjustable

01 / Connection cable 10 m with connector (*exchangeable*)**02** / Switchbox IP65**03** / Power plug IP68

Half - sided switchable

Dimmable

"CONNECT" FEATURE

360° FLEX-C **360 IP65**
WITH CABLE + SWITCHBOX
180° SWITCHABLE + DIMMING FUNCTION

Clear lens, multi-level adjustable

01 / Connection line 8 m with connector (*exchangeable*)**02** / Switchbox IP65**03** / Power plug IP68

Half - sided switchable

Dimmable

"CONNECT" FEATURE

360° FLEX-C **600 COMPACT**
WITH CABLE + SWITCHBOX
180° SWITCHABLE + DIMMING FUNCTION

Compact, milky glass lens, multi-level adjustable

01 / Connection line 8 m with connector (*exchangeable*)**02** / Switchbox IP65**03** / Power plug IP68

Half - sided switchable

Dimmable

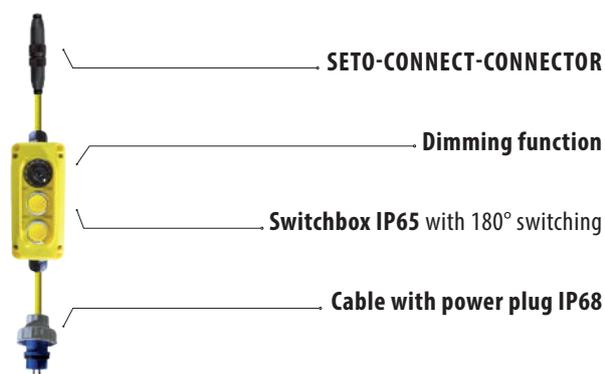
WITHOUT "CONNECT"

360° FLEX-C **600 COMPACT BASIC****CONNECTION CABLE**

Compact, milky glass lens, multi-level adjustable

01 / Connection line 8 m**03** / Power plug IP68

“SYSTEM WITH CONNECT FEATURE



Most models of the ALDEBARAN® 360 GRAD FLEX-C 2.0 SERIES now have the “CONNECT FEATURE”.
This means that the connection line including the switch box can be replaced without tools within a few seconds.

BRIGHTNESS



BRIGHTNESS



BRIGHTNESS



BRIGHTNESS



	LED 960	LED 360 IP65	LED 600 COMPACT	LED 600 COMPACT BASIC
Electrical Data				
Power consumption	100 - 240 V AC	110 - 240 V AC	100 - 240 V AC	200 - 240 V AC
Input voltage	960 W	500 W	600 W	480 W
Photometric Data				
Illuminant	4 x module à 240 W	4 x module à 125 W	4 x module à 150 W	4 x module à 120 W
Luminous flux	159500 lm	66000 lm	97500 lm	46000 lm
Luminous flux (REAL Lumen)*	145000 lm	60000 lm	85000 lm	40000 lm
Colour temperature	5000 K			
CRI	> 80			
General Data				
Ambient temperature	-30 °C to +40 °C			
Dimensions (ØxL)	235 x 812 mm		235 x 537 mm	
Item no.:	1410001411	1410001412	1410001414	1410001417

COMPARISON

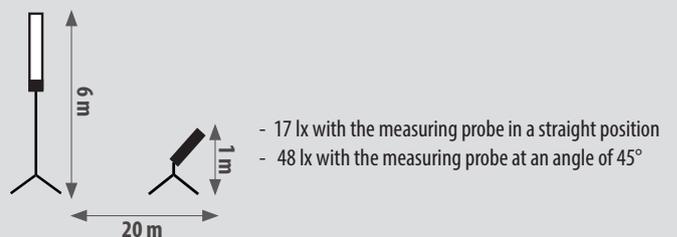
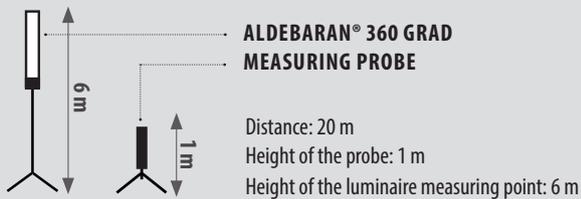
OLD vs. NEW
LED TECHNOLOGY

LIGHT MEASUREMENT UNDER REAL CONDITIONS

Extremely bright light cone when
the lamp is closed. Unfortunately in
the wrong direction.



50 %
LIABILITY
LIGHT OUTPUT
& ENERGY





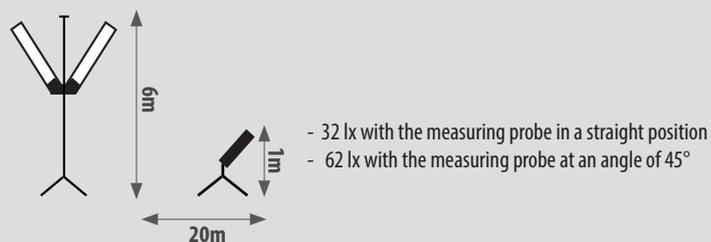
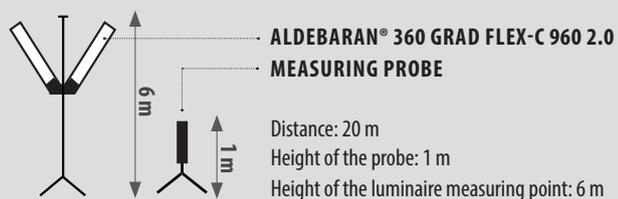
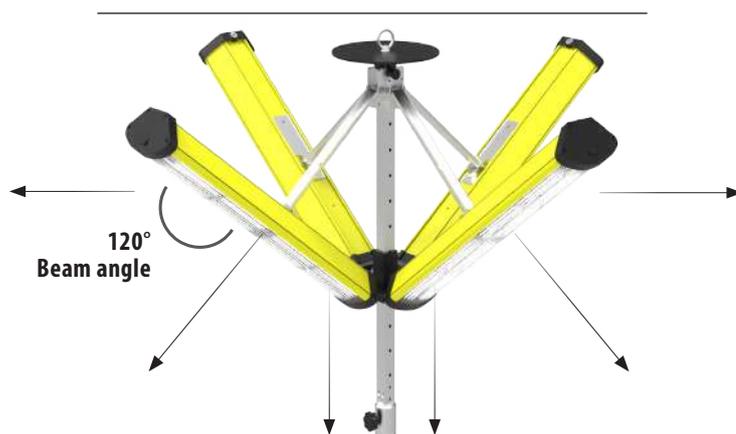
LIGHT MEASUREMENT WITH THE 360° FLEX-C 2.0

Extremely bright light cone when the light is open. Without loss of light output. Thanks to individual alignment of the LED modules, the light only shines where it is really needed.

No light pollution

0 % LIABILITY

**0 %
LIABILITY
LIGHT OUTPUT
& ENERGY**



ALDEBARAN®

REMOTE TECHNOLOGY^{ART}

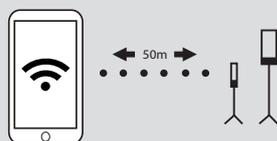


| CONTROL VIA SMARTPHONE / TABLET

The **ALDEBARAN® REMOTE TECHNOLOGY^(ART)** enables appropriately equipped **ALDEBARAN®** lights to be controlled remotely via smartphone / tablet*.

The range in the outdoor area is up to approx. 50 meters**. It is also possible to control lights in groups. The range of the control signal increases with each light, since each light also functions as a repeater for the signal.

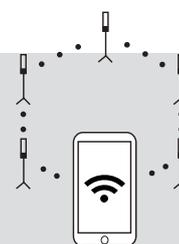
Almost all functions*** of the luminaire can also be operated via the app. The **ALDEBARAN® REMOTE TECHNOLOGY^{ART}** also enables devices of different designs to be operated with one another and to be switched either separately or in groups (provided that the respective "REMOTE" designs are involved). Lights that are equipped with **REMOTE TECHNOLOGY** can of course also be operated completely manually at any time.



Range in outdoor areas of up to 50 m



Simultaneous control of several luminaires



Controllable in groups

*Requirement is a smartphone / tablet with Apple iOS or Android operating system and Bluetooth 4.0 hardware (or higher) with BT LE (Low Energy) support.

**Depending on the tablet / smartphone used

***Controllable functions depend on the respective device type. For technical reasons, it is possible that functions of a luminaire are only partially available via ART.



Product	Item no.:	Version	Function
960 - 2.0 REMOTE	1410001421	Remote version require the presence of a compatible tablet / smartphone.	
600 COMPACT - 2.0 REMOTE	1410001424		

*manual functions

*remote functions



960 - 2.0 REMOTE + REMOTE PACKAGE	1410001422	Remote version incl. remote package includes a preconfigured tablet for controlling the REMOTE functions including a high quality outdoor cover. That way, the tablet is protected from the most adverse weather conditions and operational readiness is guaranteed.		
600 COMPACT - 2.0 REMOTE + REMOTE PACKAGE	1410001425			

*manual functions

*remote functions

Remote - Package



+



+



1 TABLET (Samsung)

Slim, elegant design
Android 7.0, 10.1" | 16 GB | Wi-Fi |
Full HD (1080 p)
Scope of delivery:
Charging adapter, data cable,
quick guide

2 PROTECTIVE COVER

Equipped with an inner polycarbonate shell, an outer plastic bumper + integrated screen protector. Additional set-up function, with a recess on the back for the camera

3 CONFIGURATION

Thanks to pre-installation, the tablet is immediately ready for action

The **ALDEBARAN®** lights in REMOTE design can be controlled either with the help of the additionally available **ALDEBARAN® REMOTE PACKAGE** (consisting of a preconfigured control tablet + outdoor cover), or alternatively with your own smartphone / tablet, which meets the following requirements.

Compatibility of third-party devices: Smartphones / tablets with the following operating systems are supported:



ANDROID



APPLE IOS



REQUIREMENT SOFTWARE
(installed APP of the manufacturer)

ALDEBARAN®

360° FLEX LED LIGHT DIRECTION MODULES



| LIGHT DIRECTION MODULES

GLARE - FREE LIGHT WITH THE LIGHT DIRECTIONAL MODULES

The LIGHT DIRECTION MODULES developed by SETOLITE are mounted in front of the individual lighting elements of the ALDEBARAN® 360 GRAD FLEX for glare-reduced illumination of night construction sites, e.g on motorways.

As a result, drivers avoid seeing into the very bright light source and can therefore pass through the construction site without irritation, while the construction site staff can still carry out all the necessary work in the illuminated work area of the construction site at full light output.

ADVANTAGES

- // Thanks to light directional modules, direct view into the light source is no longer possible
- // Shake, vibration and shock resistant
- // Glare-reduced lighting, especially on motorways
- // Simple assembly of the individual light directional modules



Uniform, bright
illumination &
absolutely glare-free



Dismounted modules

LIGHT DIRECTIONAL MODULES DISMANTLED

(Front- & back side)



Mounted modules

LIGHT DIRECTIONAL MODULES ASSEMBLED

Direct view into the light source is no longer possible thanks to the modules

Item no.: 1410001468-SET (set of 4)

Item no.: 1410001468 (1 module)

ALDEBARAN®

RAPTOR RP

LED SERIES



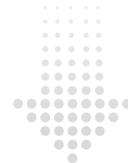
| DESIGNED TO REPLACE ENERGY-EATING FLOODLIGHTS

Like the primeval Veloci-raptors, the floodlights in the ALDEBARAN® RAPTOR RP LED SERIES are among the most efficient representatives of their class. Designed to replace energy-guzzling, conventional halogen floodlights, this series embodies our combined engineering skills.

The SETO XPECT LED lens system* bundles the generated LED light and enables perfect illumination of the place of action thanks to a large number of specially calculated individual lenses. The radiation characteristic of the ALDEBARAN® RAPTOR RP LED SERIES is not only based on that of a conventional halogen floodlight, but has also been significantly optimized. The result speaks for itself: Continuous, even illumination of the area.

ADVANTAGES

- // Very low energy consumption
- // Maximized overall efficiency
- // Low operating temperature
- // Homogeneous light image via asymmetrical XPECT LED lens system *(prevents unwanted scattered light)*
- // No replacement of LED illuminants necessary



Heat sink made of special aluminum ensures a low operating temperature and increases the service life of the high power LEDs

Comfort handle for easy transport

Multi-level adjustment mechanism for optimal alignment of the light angle

Up to 18 high power LEDs per module together with the SETO XPECT lens technology generate the bright and extremely homogeneous light image

Integrated holding bracket

Resistant SETO XPECT-LENS OPTICS made of impact-resistant polycarbonate



Optional mast bolt for several mast systems



Locking bolt for easy adjustment of the beam angle



Modules have a high level of impact resistance according to IK10



High quality heat sink made of special aluminum

RAPTOR RP500 LED



**Energy - efficient LED floodlight
as a replacement for 500 W halogen**
With SETO XPECT LED lens system
(1 module)

Item no.: 1410000828

Electrical Data

Input voltage	100 - 240 V AC, 50/60 Hz
Power consumption	65 W

Photometric Data

Illuminant	1 x XPECT LED module
Luminous flux	7000 lm
Luminous flux (REAL Lumen)*	6300 lm
Colour temperature	5000 K
CRI	> 70

General Data

Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	272 x 340 x 142 mm



RAPTOR RP1000 LED



**Energy - efficient LED floodlight
as a replacement for 1000 W halogen**
With SETO XPECT LED lens system
(2 modules)

Item no.: 1410000827

Electrical Data

Input voltage	100 - 240 V AC, 50/60 Hz
Power consumption	160 W

Photometric Data

Illuminant	2 x XPECT LED modules
Luminous flux	16000 lm
Luminous flux (REAL Lumen)*	14500 lm
Colour temperature	5000 K
CRI	> 70

General Data

Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	272 x 340 x 142 mm



RAPTOR RP1500 LED



**Energy - efficient LED floodlight
as a replacement for 1500 W halogen**
With SETO XPECT LED lens system
(3 modules)

Item no.: 1410000825

Electrical Data

Input voltage	100 - 240 V AC, 50/60 Hz
Power consumption	180 W

Photometric Data

Illuminant	3 x XPECT LED module
Luminous flux	20000 lm
Luminous flux (REAL Lumen)*	18500 lm
Colour temperature	5000 K
CRI	> 70

General Data

Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	352 x 340 x 142 mm



The result speaks for itself

LED spotlights of the **ALDEBARAN® RAPTOR RP LED SERIES** are highly efficient. With higher light output, they significantly reduce energy consumption compared to conventional halogen radiators. They are particularly robust and impress with their long service life.

Advantages XPECT LENS SYSTEM

// **Colourfast**
// **High temperature resistance**
// **UV resistance** (without yellowing)
// **High efficiency** (up to approx. 89 to approx. 91 %)
// **Without birefringence**

RAPTOR RP2000 LED



**Energy - efficient LED floodlight
as a replacement for 2000 W halogen**
With SETO XPECT LED lens system
(2 modules)

Item no.: 1410000862

Electrical Data

Input voltage	100 - 240 V AC
Power consumption	150 W

Photometric Data

Illuminant	2 x XPECT2 LED modules
Luminous flux	25200 lm
Luminous flux (REAL Lumen)*	23500 lm
Colour temperature	5000 K
CRI	> 70

General Data

Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	272 x 340 x 142 mm



RAPTOR RP2000 LED 12-24V



**Energy - efficient LED floodlight
with low voltage**
12-24V, SETO XPECT LED lens system
(2 modules)

Item no.: 1410000852 (12-24V)

Electrical Data

Input voltage	10,5 - 35 V DC
Power consumption	120 W

Photometric Data

Illuminant	2 x XPECT2 LED modules
Luminous flux	18500 lm
Luminous flux (REAL Lumen)*	17000 lm
Colour temperature	5000 K
CRI	> 70

General Data

Ambient temperature	-30 °C to +35 °C
Dimensions (LxWxH)	272 x 340 x 142 mm



RAPTOR RP3000 LED



**Energy - efficient LED floodlight
as a replacement for 3000 W halogen**
With SETO XPECT LED lens system
(3 modules)

Item no.: 1410000864

Electrical Data

Input voltage	100 - 240 V AC
Power consumption	220 W

Photometric Data

Illuminant	3 x XPECT2 LED modules
Luminous flux	39000 lm
Luminous flux (REAL Lumen)*	33000 lm
Colour temperature	5000 K
CRI	> 70

General Data

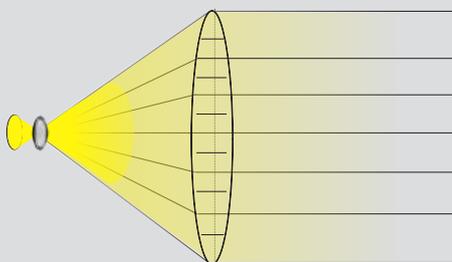
Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	352 x 340 x 142 mm



XPECT LED LENS SYSTEM



LIGHT IS BEING FOCUSED >



LIGHT IS BEING REFRACTED

ALDEBARAN® RAPTOR PRO RP LED SERIES



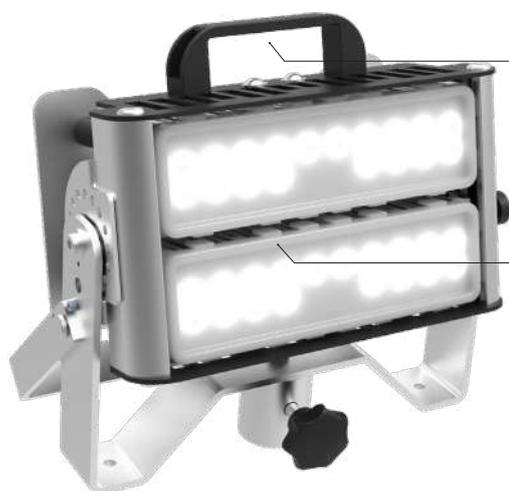
| NO MORE TASKS WITHOUT THE RIGHT LIGHT

No more use without the right light. Efficiency and universal applicability were the basic ideas behind the consistent further development of the popular ALDEBARAN® RAPTOR RP LED SERIES.

In addition to the high luminous efficacy and the radiation characteristics of the RAPTOR RP LED SERIES, which are based on the classic halogen floodlight, the professional versions have a number of **additional features**: Whether the integrated bolt reception for quick and tool-free mast mounting or the fold-out standing foot for spontaneous installation on the floor - with the **ALDEBARAN® RAPTOR PRO RP LED SERIES** - there is no longer any task without the right light. The floodlights of the **ALDEBARAN® RAPTOR PRO RP LED SERIES** are rounded off by the practical, integrated cable rewind.

ADVANTAGES

- // Use of energy-saving LED technology
- // Extremely homogeneous light distribution modelled on the halogen beam
- // Almost glare-free light without scattering loss, thanks to the SETO XPECT LED lens technology
- // Universal usability by optional mast mounting with integrated bolt holder



High quality heat sink made of special aluminum for low operating temperature and long service life

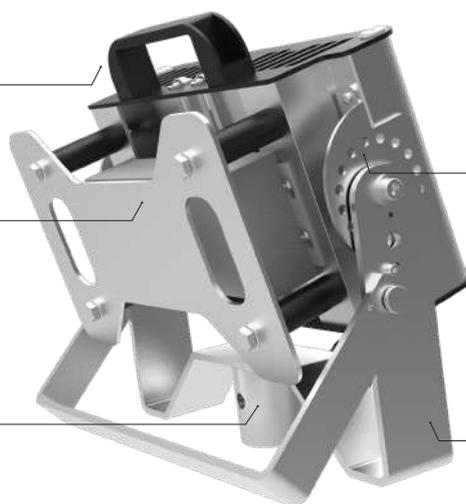
Extremely **robust SETO XPECT-LENS OPTICS** made of impact-resistant polycarbonate for optimal bundling and alignment of the LED light generated

Comfort handle for easy carrying and adjustment

3 mm thick **protective plate** made of aluminum

Bolt reception for stand mounting (30 mm DIN bolt)

Integrated folding bracket for quick use of the RAPTOR on the floor



Multi-level adjustment mechanism for optimal alignment of the light cone

Robust standing foot made of 5 mm thick aluminium



Bolt reception (30 mm DIN bolt)



Integrated cable rewind



Comfortable carrying handle



Snap bolts with adjustment mechanism

RAPTOR PRO
RP1000 LED



Energy-efficient LED floodlight as a replacement for 1000 W halogen for mast mounting or installation on the ground, bolt reception + integrated cable rewinder + foldable standing foot

Item no.: 1410000860

Electrical Data	
Input voltage	100 - 240 V AC
Power consumption	160 W
Photometric Data	
Illuminant	2 x XPECT LED modules
Luminous flux	16000 lm
Luminous flux (REAL Lumen)*	14500 lm
Colour temperature	5000 K
CRI	> 70
General Data	
Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	340 x 300 x 155 mm



RAPTOR PRO
RP2000 LED



Energy-efficient LED floodlight as a replacement for 1000 W halogen for mast mounting or installation on the ground, bolt reception + integrated cable rewinder + foldable standing foot

Item no.: 1410000868

Electrical Data	
Input voltage	100 - 240 V AC
Power consumption	150 W
Photometric Data	
Illuminant	2 x XPECT2 LED modules
Luminous flux	25500 lm
Luminous flux (REAL Lumen)*	23500 lm
Colour temperature	5000 K
CRI	> 70
General Data	
Ambient temperature	-40 °C to +59 °C
Dimensions (LxWxH)	340 x 300 x 155 mm



Universally applicable

With the **ALDEBARAN® RAPTOR PRO RP LED SERIES** you are always optimally equipped. The fold-out standing foot, the integrated bolt reception and the cable rewinder that acts as a protective plate make this floodlight always ready for any use.



ALDEBARAN®

GLADIUS 2K LED SERIES



| EFFICIENT TOOLS IN RESCUE TECHNOLOGY,
MORE IMPORTANT THAN EVER

The low weight of the ALDEBARAN® GLADIUS 2K LED, its compact dimensions and practicality in action were virtues of the short sword of the same name that was valued by the Romans.

The SETO XPECT2 LED lens system used in the **ALDEBARAN® GLADIUS 2K LED** simultaneously enables a big range for search missions as well as extensive illumination of the close-up range - and almost free of any scattering losses. More natural colour rendering and glare-free illumination even in adverse weather conditions are achieved through the use of the integrated SETO LifeView system, in which different light colours are mixed additively. The **ALDEBARAN® GLADIUS 2K LED** has an integrated cable winder for the 10 meter long connection cable, as well as an integrated handle and a 30 millimeters DIN bolt reception on the underside. This makes the **ALDEBARAN® GLADIUS 2K LED** the universal lighting tool and an efficient replacement for conventional halogen floodlights.

ADVANTAGES

- // **Glare-free XPECT2 LED lens optics** (*significantly reduces scattering losses and glare*)
- // **Power consumption reduced by approx. 85 % compared to a 2000 W halogen floodlight**
- // **SETO LifeView colour mixer system for optimal penetration in any weather**
- // **Different optics** (*wide & close-range optics*)
- // **Different light colours** (*for efficient illumination in different wather conditions*)

GLADIUS
2K LED &
2K LED 12-24 V



LED spotlights with different light colours
Replacement for conventional halogen & HQI floodlights
2 light colours (ww / cw),
additively mixed, integrated DIN
bolt reception + cable rewind

Item no.: 1410001311

(230 V, 6.5 kg, IP65)

Item no.: 1410001312

(12/24 V, 6 kg, IP54)

Electrical Data	2K LED 230 V	2K LED 12/24 V
Input voltage	100 - 240 V AC	10,5 - 35 V DC
Power consumption	160 W	120 W
Photometric Data		
Illuminant	2 x XPECT2 LED modules	
Luminous flux	25000 lm	19000 lm
Luminous flux (REAL Lumen)*	23000 lm	17250 lm
Beam angle	60° (4000 K) / 25° (5700 K)	
General Data		
Ambient temperature	-25 °C to +40 °C	
Connection line / plug	10 m, H07RN-F 3G1,5 / Schuko IP68 blue	5 m, H07RN-F 3G1,5 / standard plug 12A
Dimensions (LxWxH)	328 x 339 x 181 mm	328 x 339 x 169 mm

Comfortable carrying handle

Robust housing with protective plate made of aluminum

Cable winder

2 light colours additively mixed, warm & cold white



DIN bolt reception



Locking bolt for adjustment



Cable winder



Incl. DIN bolt reception



Natural colour rendering thanks two different light colours

FLOODLIGHT CARRYING STRETCHER INCL. GLADIUS 2K LED



Optimal protection & safe transport

The carrier can be attached to any tripod with a 30 mm DIN bolt reception. Equipped with 2 Schuko sockets (IP68) + 6 m spiral cable

SET:

Headlight carrier +
2 LED spotlights +
integrated cable

Item no.: 1410001243 (SET)

Electrical Data

Input voltage	100 - 240 V AC
Power consumption	320 W

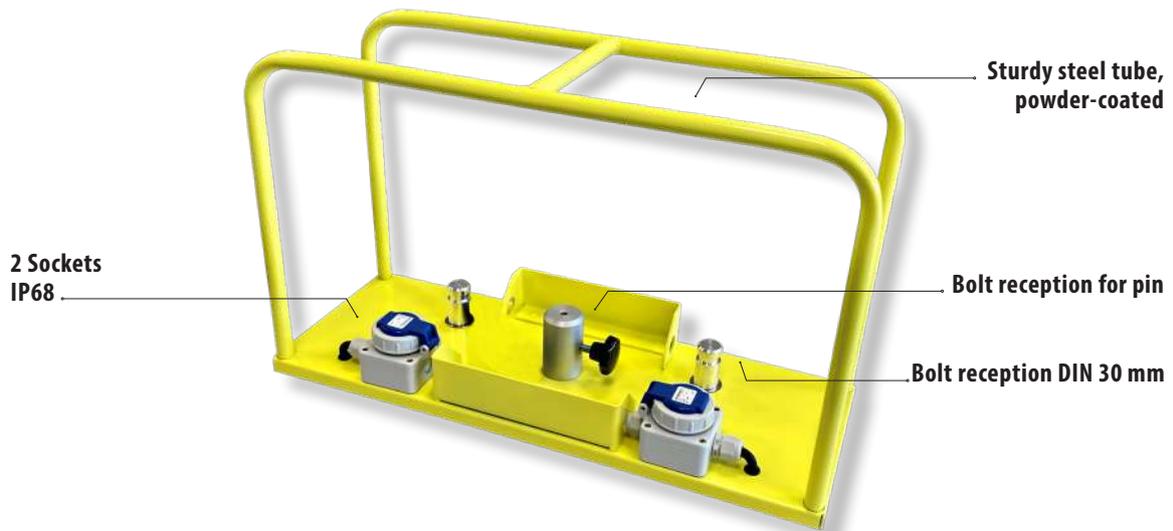
Photometric Data

Illuminant	je 2 x XPECT LED modules
Luminous flux	50000 lm
Luminous flux (REAL Lumen)*	46000 lm
Colour temperature	4000 K (60°) 5700 K (40°)
CRI	> 70

General Data

Ambient temperature	-25 °C to +40 °C
Dimensions (LxWxH)	675 x 250 x 410 mm

IP65 17



2 x DIN bolt reception (30 mm)



Socket IP68



Plug IP68



Spiral cable 6 m



ALDEBARAN®

HERO SERIES



| PLEASANT WORKING LIGHT - THANKS TO THE CONNECTION OF WARM & COLD LIGHT COLOURS

The development of the ALDEBARAN® HERO SERIES focused on two main objectives: On the one hand, maximum flexibility in the configuration of the desired image and, on the other, maximum possible efficiency in terms of light output in lumens / watts. The result is a light technology masterpiece, which rightly bears the name "HERO".

The individually mixable light colours ensure a pleasant working light, thanks to the combination of cold (5700 K) and warm (4000 K) light colours. Whether large distances or large areas, the **ALDEBARAN® HERO SYSTEM** is always the right choice. The optimally mixable light colours ensure optimum working light. The light modules can be ordered with individual masts, so that almost any old system can be replaced by a "HERO".

ADVANTAGES

- // Low power consumption
- // Can be adapted to your existing mast system
- // Optimal visibility in bad weather conditions, thanks to variable colour mixing (cold & warm white)
- // Revolutionary SETO XPECT-2 LED Single Lens System
- // Different beam angles for optimized light distribution can be combined

Unlimited expandable system with enormous diversity of variants

Whether 6, 9 or 12 modules - this variable lighting system can be extended indefinitely. Depending on the requirements, the **ALDEBARAN® HERO** is able to bridge large distances as well as illuminate large areas.

Various light colours and lens optics are available in this system

LIGHT COLOURS

(individually adjustable)

WW - warm white (4000 K)

CW - cold white (5700 K)

Warm and cold light colours ensure a pleasant working light

4000 K

5700 K

warmwhite - ww

coldwhite - cw

LENS OPTICS VARIANTS

(individually customizable)

Optics 1 - Wide beam 60° (ww)

Optics 2 - Deep beam 40° (cw)

Different optical variants are available for selection



60°

low beam



40°

wide beam



The model configuration, amount of modules, beam angle & colour temperature is variable adjustable.



Mixable light colours
(cold and warm white)



Heat sinks made of aluminium



Ideal for mast systems



Rotating swing system

HERO-6



**Light tower system
for large distances & wide areas**
6 modules, optical variants: 60°
Light colours: ww
System mounting: Adapter 20 mm
Electric connection:
 0.77 m H07RN-F 3G1.5

Item no.: 1410001360

Electrical Data	
Input voltage	100 - 240 V AC
Power consumption	440 W
Photometric Data	
Illuminant	6 x XPECT2 LED modules
Luminous flux (REAL Lumen)*	70000 lm
Colour temperature	4000 K (60°)
CRI	> 70
General Data	
Ambient temperature	-40 °C to +50 °C
Dimensions (HxWxD)	495 x 290 (350) x 125 mm



HERO-9



**Light tower system
for large distances & wide areas**
9 modules, optical variants: 60° + 40°
Light colours: ww + cw
System mounting: Adapter 20 mm
Electric connection:
 0.77 m H07RN-F 3G1.5

Item no.: 1410001361

Electrical Data	
Input voltage	100 - 240 V AC
Power consumption	660 W
Photometric Data	
Illuminant	9 x XPECT2 LED modules
Luminous flux (REAL Lumen)*	100000 lm
Colour temperature	4000 K (60°) / 5700 K (40°)
CRI	> 70
General Data	
Ambient temperature	-40 °C to +50 °C
Dimensions (HxWxD)	735 x 290 (350) x 125 mm



HERO-12



**Light tower system
for large distances & wide areas**
12 modules, optical variants: 60° + 40°
Light colours: ww + cw
System mounting: Adapter 20 mm
Electric connection:
 0.77 m H07RN-F 3G1.5

Item no.: 1410001362

Electrical Data	
Input voltage	100 - 240 V AC, 50/60 Hz
Power consumption	880 W
Photometric Data	
Illuminant	12 x XPECT2 LED modules
Luminous flux (REAL Lumen)*	130000 lm
Colour temperature approx.	4000 K (60°) / 5700 K (40°)
CRI	> 70
General Data	
Ambient temperature	-40 °C to +50 °C
Dimensions (HxWxD)	1060 x 290 (350) x 125 mm



Large area illumination

Whether long distances or wide areas, the **ALDEBARAN® HERO** system is always the right choice. The optional mixable light colours ensure optimum working light. The light modules can be ordered with individual mast mounts, so that almost every old system can be replaced by a "HERO".



ALDEBARAN® CRANEMASTER SERIES



new

| ENORMOUS LIGHT PERFORMANCE, HIGHEST ENERGY EFFICIENCY & THE AVOIDANCE OF SCATTERED LIGHT

The ALDEBARAN® CRANEMASTER 2.0 SERIES is designed specifically for the installation on tower cranes and for the illumination of large construction sites and literally overshadows maintenance-intensive halogen and HQI solutions. Depending on the environmental conditions, energy savings of up to 70 % can be achieved. Thanks to the SETO XPECT2 lens technology, the light is emitted specifically to the areas of demand and at the same time the unwanted and energy-consuming spread of inefficient scattered light is contained. Weather-related, poor visibility is counteracted by the SETO TRUEVIEW technology. Various light colours are combined in such a way as to ensure an optimal penetration of atmospheric disturbances, e.g. nebulae.

The wear-free and maintenance-free LED technology does not require any active cooling components, which ensures maximum efficiency and reliability. Due to the indestructible SETO IRONCORE design, the safe use in construction is permanently ensured.

ADVANTAGES

- // Up to 70 % energy savings compared to the 2,000 Watts HQI spotlight
- // Wear- and maintenance-free lamps with SETO XPECT2 LED lens system
- // SETO TRUEVIEW Light colour mixture guarantees an optimal view
- // Various crane frames optional for safe installation (p. 132 -133)



CRANEMASTER AC1350 LED



LED
2. Gen

Specially for mounting on cranes & for area illumination

2 modules, integrated light colour mixture, 360° pivoting - 7.5° steps with fine scale, protection class I, impact resistance IK10, incl. rope securing

Item no.: 1443001302-A (with plug CEE)
Item no.: 1443001302-B (with wiring box)
Item no.: 1443001302-C (with Schuko plug)
Item no.: 1443001302-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC
Power consumption	600 W
Photometric Data	
Illuminant	2 x XPECT2 LED modules
Luminous flux	95600 lm
Luminous flux (REAL Lumen)*	88400 lm
Colour temperature	4000 K / 6000 K
General Data	
Dimensions (LxWxH)	645 x 560 x 145 mm

IP66 16.4

CRANEMASTER AC2000 LED



LED
2. Gen

Specially for mounting on cranes & for area illumination

3 modules, integrated light colour mixture, 360° pivoting - 7.5° steps with fine scale, protection class I, impact resistance IK10, incl. rope securing

Item no.: 1443001402-A (with plug CEE)
Item no.: 1443001402-B (with wiring box)
Item no.: 1443001402-C (with Schuko plug)
Item no.: 1443001402-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC
Power consumption	900 W
Photometric Data	
Illuminant	3 x XPECT2 LED modules
Luminous flux	143400 lm
Luminous flux (REAL Lumen)*	132600 lm
Colour temperature	4000 K / 6000 K
General Data	
Dimensions (LxWxH)	645 x 625 x 145 mm

IP66 21.5

CRANEMASTER AC2800 LED



LED
2. Gen

Specially for mounting on cranes & for area illumination

4 modules, integrated light colour mixture, 360° pivoting - 7.5° steps with fine scale, protection class I, impact resistance IK10, incl. rope securing

Item no.: 1443001502-A (with plug CEE)
Item no.: 1443001502-B (with wiring box)
Item no.: 1443001502-C (with Schuko plug)
Item no.: 1443001502-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC
Power consumption	1200 W
Photometric Data	
Illuminant	4 x XPECT2 LED modules
Luminous flux	191200 lm
Luminous flux (REAL Lumen)*	176800 lm
Colour temperature	4000 K / 6000 K
General Data	
Dimensions (LxWxH)	645 x 700 x 145 mm

IP66 26

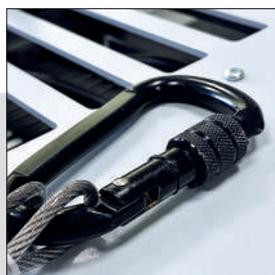
Type A: with plug CEE 16A 3P+N+PE, 230 / 400 V

Type B: with wiring box 3P+N+PE, 230 / 400 V

Type C: with plug Schuko 16 A, 230 V

Type TT: without plug, 3P+PE, 400V

Following models
are available to you
at the CRANEMASTER
SERIES for selection



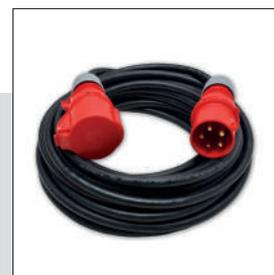
Rope protection with carabiner hook for hanging on the crane bracket



Angle adjustment (360° swivelable with angle scale to alignment)



Rear view, swivel bracket 360°



Immediately usable without wiring expenditure

SETO CRANESTAR LED SERIES



new

| ESPECIALLY FOR ILLUMINATING LARGE AREAS &
AS A SUBSTITUTE FOR HQI EMITTERS ON CRANES

With the SETO CRANESTAR SERIES, it is now possible to convert construction cranes to the latest LED technology in a cost-efficient manner. The focus of the concept was on the essentials: As much light as possible where it is needed, with as little energy as possible - in quality suitable for construction sites. The result is a spotlight with no compromises and clever details. The CRANESTAR takes over the fall protection known from the **ALDEBARAN® CRANEMASTER SERIES**, on which the spotlight can also be conveniently erected. An angle scale enables the targeted alignment of the spotlight. And thanks to its high impact resistance and water resistance, it defies adverse environments with ease. The efficiency-enhancing LED lens technology avoids unwanted stray light and thanks to its intelligent design, a very low weight and compact dimensions are achieved, which also benefits logistics.

ADVANTAGES

- // Wear- and maintenance-free LED technology
- // SETO XPECT LED lens system to avoid stray light and light pollution
- // Angle scale allows a targeted alignment of the steel
- // Low weight and compact dimensions
- // Various crane frames optional for safe installation (p. 132-133)



CRANESTAR 12K LED



Cost-effective LED spotlight for Large-area lighting
4 adjustable modules, free swivelling system: 360° pivoting - 8° steps,
 protection class I, impact resistance IK08,
 incl. rope securing

Item no.: 1424000041-A (with plug CEE)
Item no.: 1424000041-B (with wiring box)
Item no.: 1424000041-C (with Schuko plug)
Item no.: 1424000041-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC *
Power consumption	480 W
Photometric Data	
Illuminant	4 x XPECT LED modules
Luminous flux	79100 lm
Luminous flux (REAL Lumen)*	73000 lm
Colour temperature	5000 K
General Data	
Dimensions (LxWxH)	250 x 650 x 140 mm



CRANESTAR 20K LED



Cost-effective LED spotlight for Large-area lighting
6 adjustable modules, free swivelling system: 240° pivoting - 8° steps,
 protection class I, impact resistance IK08,
 incl. rope securing

Item no.: 1424000042-A (with plug CEE)
Item no.: 1424000042-B (with wiring box)
Item no.: 1424000042-C (with Schuko plug)
Item no.: 1424000042-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC *
Power consumption	720 W
Photometric Data	
Illuminant	6 x XPECT LED modules
Luminous flux	118600 lm
Luminous flux (REAL Lumen)*	110000 lm
Colour temperature	5000 K
General Data	
Dimensions (LxWxH)	380 x 650 x 140 mm



CRANESTAR 24K LED



Cost-effective LED spotlight for Large-area lighting
8 adjustable modules, free swivelling system: 360° pivoting - 8° steps,
 protection class I, impact resistance IK08,
 incl. rope securing

Item no.: 1424000043-A (with plug CEE)
Item no.: 1424000043-B (with wiring box)
Item no.: 1424000043-C (with Schuko plug)
Item no.: 1424000043-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC *
Power consumption	960 W
Photometric Data	
Illuminant	8 x XPECT LED modules
Luminous flux	148800 lm
Luminous flux (REAL Lumen)*	146000 lm
Colour temperature	5000 K
General Data	
Dimensions (LxWxH)	597 x 650 x 132 mm



CRANESTAR 28K LED



Cost-effective LED spotlight for Large-area lighting
10 adjustable modules, free swivelling system: 240° pivoting - 8° steps,
 protection class I, impact resistance IK08,
 incl. rope securing

Item no.: 1424000044-A (with plug CEE)
Item no.: 1424000044-B (with wiring box)
Item no.: 1424000044-C (with Schuko plug)
Item no.: 1424000044-TT (without plug)

Electrical Data	
Input voltage	230 / 400 V AC *
Power consumption	1200 W
Photometric Data	
Illuminant	10 x XPECT LED modules
Luminous flux	186000 lm
Luminous flux (REAL Lumen)*	183000 lm
Colour temperature	5000 K
General Data	
Dimensions (LxWxH)	729 x 650 x 132 mm

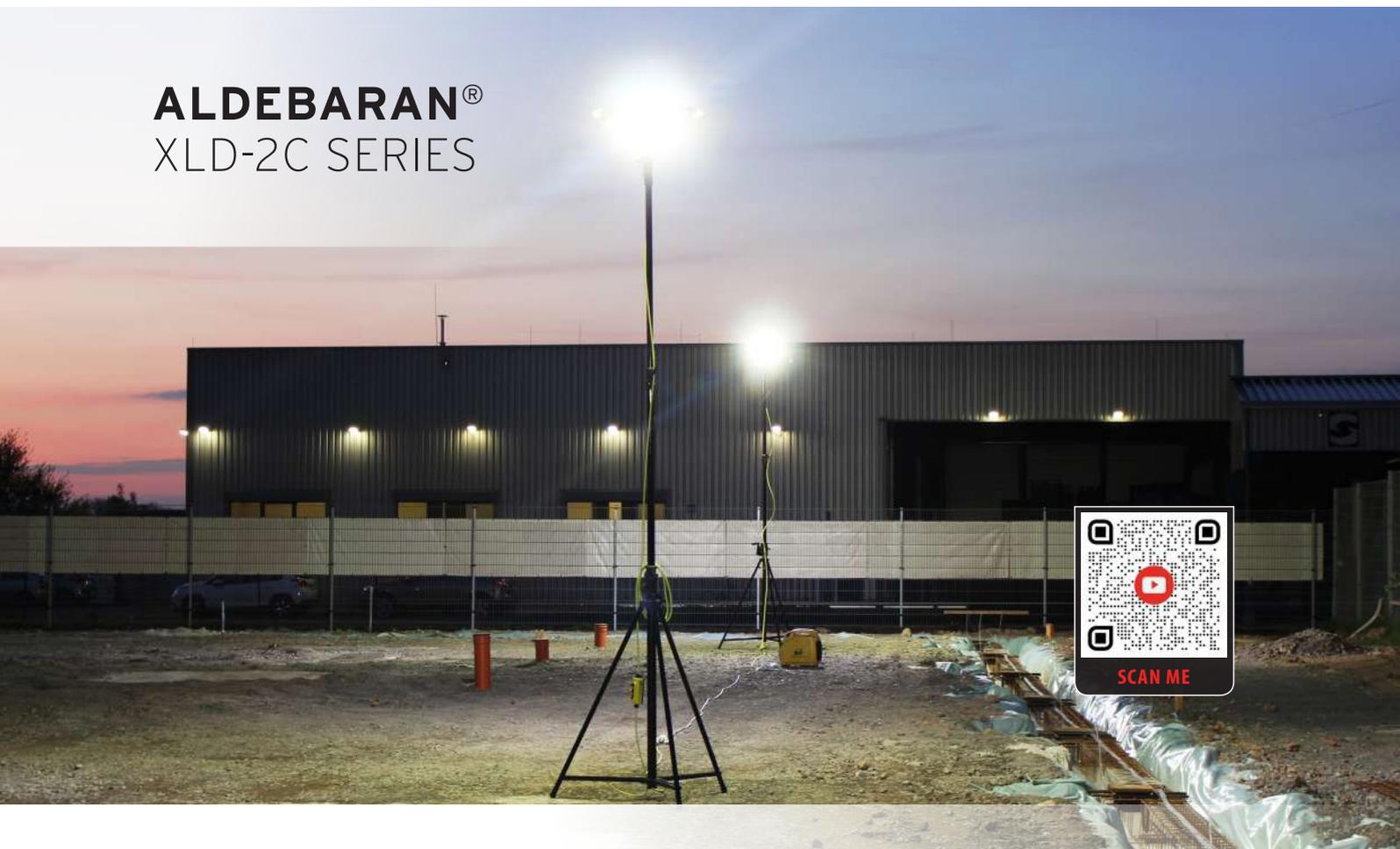


* varies depending on model design

Type A: with plug CEE 16A 3P+N+PE, 230 / 400 V
Type B: with wiring box 3P+N+PE, 230 / 400 V
Type C: with plug Schuko 16 A, 230 V
Type TT: without plug, 3P+PE, 400 V

The following models
 are available in the
 CRANESTAR SERIES.

ALDEBARAN® XLD-2C SERIES



| EXTREME LIGHT OUTPUT UNDER EXTREME CONDITIONS

Extreme conditions and requirements were the basic ideas behind the development of the ALDEBARAN® XLD-2C SERIES.

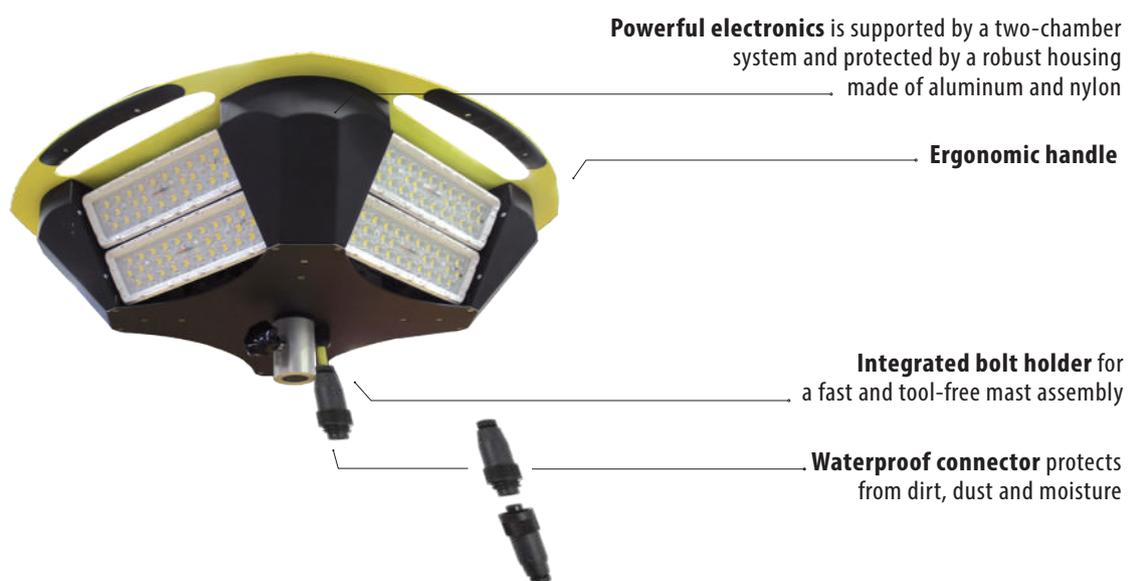
Whether you prefer extreme light output, extremely fast installation and dismantling or extreme cost-effectiveness in procurement and operation, the **ALDEBARAN® XLD-2C SERIES** meets all these requirements with brilliance. The fanless and wear-free high-performance LED modules are equipped with the SETO XPECT2 LED lens system and thus ensure that you have optimally distributed, homogeneous light in every situation. Functions such as segment-by-segment 180° circuitry and stepless dimming are also available for demanding lighting situations.*

The included diffusers enable the safety-relevant glare freedom to be ensured even at the smallest working distances.

ADVANTAGES

- // Extreme light output
- // Interchangeable connection cables
- // Projection discs for homogeneous close-up illumination
- // Extremely short set-up/decommissioning times
- // SETO XPECT2 optical LED lens system
- // Passive, wear-free cooling technology

*Additional functions depending on the model



Connect system for quick replacement of the supply line



Integrated carrying handle



Connection Plug IP68



Switchbox with illuminated pushbuttons for better recognition in dark environments

XLD-2C **BASIC**

01

03

WITH SUPPLY LINE BASIC01 / Connection line 8 m with connector (*exchangeable*)

03 / Power plug IP68

XLD-2C **SWITCH**

01

02

03

WITH SUPPLY LINE SWITCH + CONTROL UNIT**180° SWITCHABLE**01 / Connection line 8 m with connector (*exchangeable*)

02 / Switchbox IP65

03 / Power plug IP68

Half-sided switchable

XLD-2C **DIM**

01

02

03

WITH SUPPLY LINE DIM + CONTROL UNIT**180° SWITCHABLE + DIMMING FUNCTION**01 / Connection line 8 m with connector (*exchangeable*)

02 / Switchbox IP65

03 / Power plug IP68

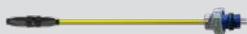
Half-sided switchable

Integrated Dimming function

Flexible connection system: The three model variants differ by the selected supply cable. The switching possibilities of the models depend on the optional supply lines and switch boxes. The supply lines can be exchanged within a few seconds via a quick-release fastener system.

Note: All connecting cables (for XLD-2C & XLD-C COMPACT) are interchangeable and available as spare parts.

BASIC: Item no.: 1410001510



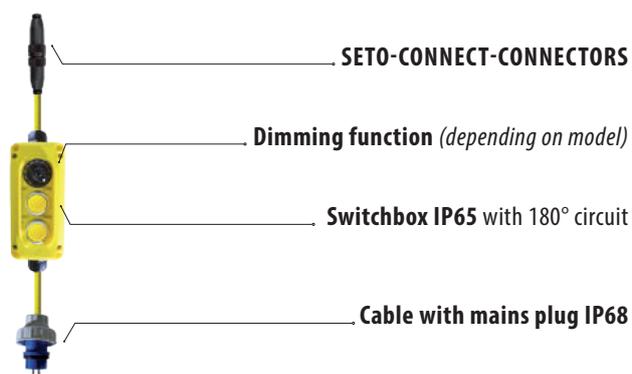
SWITCH: Item no.: 1410001520



DIM: Item no.: 1410001521



“SYSTEM WITH CONNECT FEATURE



All products of the **XLD-C SERIES** are maintenance-free. Particularly in the harsh environment of construction sites, they are characterized by special features such as connection line that can be replaced in just a few seconds, cable strain relief and the highest quality of performance.

UP
GRADE ON
SWITCH / DIM
POSSIBLE

UP
GRADE ON
DIM
POSSIBLE

Electrical Data	BASIC	SWITCH	DIM
Input voltage		100 - 240 V AC	
Power consumption		560 W	
Photometric Data			
Illuminant		8 x XPECT2 LED modules	
Luminous flux		90000 lm	
Luminous flux (REAL Lumen)*		80000 lm	
Colour temperature approx.		5000 K	
CRI		> 70	
General Data			
Ambient temperature		-40 °C to +59 °C	
Dimensions (LxWxH)		650 x 650 x 290 mm	
Item no.:	1410001502	1410001503	1410001504

Optional accessory „suspension set“ Item no.: 1410926021

ALDEBARAN® XLD-C COMPACT SERIES



| LOTS OF LIGHT AND FASTEST INSTALLATION TIME ARE THE KEY FEATURES OF THE NEW XLD-C COMPACT

Like its big brother, the ALDEBARAN® XLD-2C, the ALDEBARAN® XLD-C COMPACT is literally an extreme lighting tool: extremely robust, extremely flexible and extremely bright, it is extremely versatile and, above all, quick to use.

Thanks to its compact dimensions, it can be transported particularly efficiently and thus contributes to the reduction of logistics costs. The extremely robust housing made of an aluminum-nylon composite not only reliably protects the powerful interior, but also ensures extremely low weight thanks to its intelligent lightweight construction. Installation and dismantling is possible as quickly, easily and safely as possible. The new design also allows the use of an alternating pin. This can be inserted into the lamp both from the top and from the bottom by means of a quick release. With this, the **ALDEBARAN® XLD-C COMPACT** can easily be operated either normally or overhead – both on a tripod and in suspension operation.

Thanks to optional segment circuitry and dimming function, the required amount of light can always be exactly adjusted to the needs. Thanks to special pre-plug discs^{**}, the glare values can be further lowered, making the **ALDEBARAN® XLD-C COMPACT** also ideal for use in the smallest spaces. If required, the luminaire can also be swivelled in any direction and at any angle^{***}.

ADVANTAGES

- // **Ultra-compact, bright & extremely light**
- // **IP67** (IP65 with optional control box)
- // **Light functions: 180° segment-by-segment circuit & dimming function** (optional)
- // **For operation on a tripod & in suspension operation suitable** (DIN bolt holder)
- // **Interchangeable pin system for flexible alignment of the light cone up/down**
- // **Redundant dual-power system with two independent power supplies**

^{*}Switch / Dim versions ^{**}Included in delivery
^{***}Optional swap bolts with ball joints



Spring lock 8 mm with pivot bolts



Hanging operation: Lamp can optionally be operated overhead



The luminaire includes a standard interchangeable bolt system*



New construction: with the optionally available flex bolt the light can be radiated in all directions

*The standard interchangeable bolt is included with all models

XLD-C COMPACT **BASIC**

01

03

WITH SUPPLY LINE BASIC

- 01 / Connection line 8 m with connector (*exchangeable*)
- 03 / Power plug IP68

XLD-C COMPACT **SWITCH**

01

02

03

WITH SUPPLY LINE SWITCH + CONTROL UNIT
180° SWITCHABLE

- 01 / Connection line 8 m with connector (*exchangeable*)
 - 02 / Switchbox IP65 with pressure switch
 - 03 / Power plug IP68
- Half - sided switchable

XLD-C COMPACT **DIM**

01

02

03

WITH SUPPLY LINE DIM + CONTROL UNIT
180° SWITCHABLE + DIMMING FUNCTION

- 01 / Connection line 8 m with connector (*exchangeable*)
 - 02 / Switchbox IP65 with pressure switch
 - 03 / Power plug IP68
- Half - sided switchable
Integrated dimming function

Flexible connection system: The three model variants differ by the selected supply cable. The switching possibilities of the models depend on the optional supply lines and switch boxes. The supply lines can be exchanged within a few seconds via a quick-release fastener system.

Note: All connecting cables (for XLD-2C & XLD-C COMPACT) are interchangeable and available as spare parts.

BASIC: Item no.: 1410001510



SWITCH: Item no.: 1410001520



DIM: Item no.: 1410001521



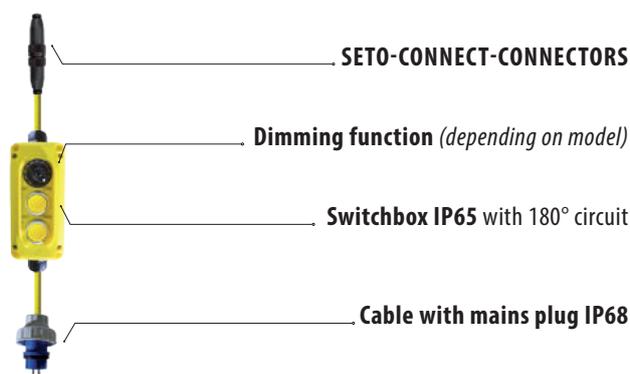
“SYSTEM WITH CONNECT FEATURE



» **INCLUSIVE**
Transport bag



» **OPTIONAL**
Flex bolt
XLD-C COMPACT



All products of the **XLD-C SERIE** are maintenance-free. Particularly in the harsh environment of construction sites, they are characterized by special features such as connectivity line that can be replaced in just a few seconds, cable strain relief and the highest performance quality.

UP GRADE ON
DIM / SWITCH
POSSIBLE

UP GRADE ON
DIM
POSSIBLE

Electrical Data	BASIC 24 V*	BASIC	SWITCH	DIM
Input voltage	20 - 35 V DC		100 - 240 V AC	
Power consumption	250 W		280 W	
Photometric Data				
Illuminant		4 x XPECT2 LED modules		
Luminous flux	38000 lm		45000 lm	
Luminous flux (REAL Lumen)*	35000 lm		40000 lm	
Colour temperature approx.		5000 K		
CRI		> 70		
General Data				
Ambient temperature	-25 °C to +40 °C		-40 °C to +59 °C	
Dimensions (LxWxH)		446 x 446 x 228 mm		
Item no.:	1410001605	1410001602	1410001603	1410001604

* 24 V version: only with fixed line
Optional accessory 'suspension set', Item no.: 1410926021

ALDEBARAN®

CLS PRO



new



IP67

| NEWLY DEVELOPED COMPLETE SYSTEM WITH IP67 FOR LARGE-AREA ILLUMINATION OF CONSTRUCTION SITES

Everything from one source & optimally adapted to the requirements: with the new ALDEBARAN® CLS PRO you are well equipped on your construction site when it comes to lighting.

Consisting of the proven **GRP CONSTRUCTION TRIPOD** in an updated version and the newly developed **ALDEBARAN® CONSTRUCTION LIGHT PROFESSIONAL**, no wishes remain unfulfilled. Extreme light performance, low weight and good handling were the main focus during the development of the luminaire. This light is ready for use in no time at all and even quick changes of location or short power interruptions cannot harm it. Thanks to its open design and high protection class, the newly developed luminaire defies wind and weather.

The GRP tripod is available in two different heights and convinces with its low weight, the simple and safe construction as well as other well thought-out details, such as the extremely robust components made of die-cast aluminum, an integrated spirit level for exact levelling or the intelligent pull-out protection for the push rods.

ADVANTAGES

- // Switchable segments (180°)
- // Low weight, thanks to external driver box
- // Low wind load, due to open design
- // High protection class IP67
- // High-quality & durable materials
- // All screwed components
- // Less light pollution, thanks to the conical design (downward beam angle)

CONSTRUCTION LIGHT SYSTEM PROFESSIONAL



Complete system with IP67 for

Large area illumination

High light output with 120 W modules, segmentally switchable (180°), low head load, protection class I

SET:

Lamp incl. Spreading discs & transport box + GRP tripod incl. mast bolt & switch box + transport bag

Item no.: 1410001295

Electrical Data

Input voltage	110 - 240 V AC
Power consumption	720 W

Photometric Data

Illuminant	LED technology
Luminous flux	110000 lm
Colour temperature	5000 K
CRI	> 70

General Data

Ambient temperature	- 32 °C to + 59 °C
Dimensions(ØxL)	700 x 330 mm

Tripod

Height (max.)	4.6 m
---------------	-------

Tripod

Height (max.)	3.1 m
---------------	-------

IP67 12

17

14.6

High light output

thanks to 120 W modules

Low head load

due to external driver box

Detent castor holder



Half-sided circuit
(of 3 modules each)

Low wind load & heat development

thanks to open construction



External driver box also serves for increased stability the tripod on the ground



Detent castor holder with star grip made of stainless steel (p. 139)



High-quality LED module

Optional accessories: grill roll holder, bracing set



Mobile Illumination

48-57

ALDEBARAN® 4000A X SERIES
ALDEBARAN® 4000A X1 SIGNAL SERIES
SETO POWER LED
SETO POWER LED FLEX

48 - 53
50 - 53
54 - 55
56 - 57

ALDEBARAN®

4000A X SERIES



| CORDLESS, POWERFUL, GLARE-FREE, ALSO ROBUST & EASY TO OPERATE ...

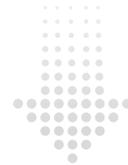
... these are the sharpened genes of the ALDEBARAN® 4000A X SERIES.

While the light output could be increased by more than 70 % compared to the previous series by using highly efficient special LED surface arrays, the glare freedom was maintained at the same time.

While so many other luminaires, in this performance class, let you see bright "points" afterwards, our glare-free special LEDs allow a perfectly uniform illumination and safe view at all times. Good light means security. The 4000A X concept is rounded off by different, available battery capacities, which allow you to customize your luminaire according to your own needs to individual lifetime wishes. The Low Battery Message System (*LBMS*) will notify you in good time if battery capacity has reached a low level and if necessary should be reloaded. So you are never unexpectedly in the dark. If the battery charge is still completely exhausted during long applications, especially in the outdoor area, the integrated "Take Me Home" function of the 4000A X luminaires allows you to easily find them in the dark. For this purpose, the luminaire signals its location through an integrated, automatic red light flashing function.

ADVANTAGES

- // Light output infinitely adjustable, thus adaptable to every work situation
- // Robust housing and powerful working light
- // Glare-free and homogeneous light generation
- // Integrated high-quality lithium-ion battery



Included 230 Volt power supply



Integrated dimming function



Optional: carrying handle



Optional: Wall bracket (p. 133)

ALDEBARAN®

4000A X1

SIGNAL SERIES



| WITH INTEGRATED FLASHING FUNCTION FOR OPTIMAL SIGNALING

The strengths of the 4000A X luminaires such as hours of wireless operation and homogeneous, glare-free light have proven themselves under the toughest operating conditions.

With the **ALDEBARAN® 4000A X1 SIGNAL SERIES**, we have created a new generation of professional emergency lights that focus even more on the topic of safety. Thanks to a specially developed, special LED array, the **4000A X1 SIGNAL** lights are not only able to produce homogeneous, white work light, but can also be switched to a coloured flashing signal. This signal light is one of the strongest signal light sources available in the form of a mobile hand lamp. Usually, conventional, mobile lights tend to neglect their coloured signal function with signal light outputs between one and three watt maximum. The **X1 SIGNAL** lights are able to generate their signal light with the same power (*up to 12 watt*) as the powerful white work light.

ADVANTAGES

- // Light output steplessly adjustable
- // Can be switched from white work light to coloured signal light
- // Glare-free and homogeneous light generation
- // Integrated, powerful lithium-ion battery



Dimming function, light power of the work light steplessly adjustable and therefore adjustable to each unique situation



White, homogeneous work light with stepless regulation of the light intensity



Integrated switching mode, from white work light to coloured flashing signal



High power LED surface array guarantees glare-free, homogeneous light generation

Impact-proof diffusing pane made of polycarbonate



Dimming function



Mode switch



Optional: wall instalment / ergonomic carrying handle (p. 133)



Optional: several magnet and stand brackets (p. 134)

4000A X1 & X2 WITH DIMMING FUNCTION



» OPTIONAL (p. 134)

- **ERGONOMIC CARRYING HANDLE**
- **WALL BRACKET (SET)**
- **CAR CHARGER (12 - 24 V DC)**

» INCLUSIVE

- **230 V CHARGER**



MOBILE DIMMABLE LIGHTING X1 & X2

Homogeneous, white work light,
stepless dimming function, protection class III,
230 V charger

Item no.: 1440800020 (X1, 1.05 kg)

Item no.: 1440800021 (X2, 1.6 kg)

Photometric Data	X1	X2
Illuminant	LED array technology	
Luminous flux (REAL Lumen)*	1500 lm	3000 lm
Lighting duration	High Power: 2.5 h Low Power: 16 h	High Power: 3 h Low Power: 20 h
Colour temperatur approx.	5000 K	
CRI	> 80	
General Data		
Battery	Li-ion, 33 Wh	Li-ion, 66 Wh
Charging time (2A charger)	1.5 h	3 h
Ambient temperature	-30 °C to +40°C	
Dimensions (LxWxH)	267 x 120 x 145 mm	385 x 120 x 145 mm



Product features

EXTREMELY ROBUST

Impact-proof diffusing
pane made of polycarbonate
Shock-proof housing
Generous operation
temperature range

EXTREMELY POWERFUL

Bright, glare-free &
homogeneous light
Light power adjustable
High efficiency

EXTREMELY INTELLIGENT

Lighting duration compatible
for shift operation
Compact dimensions
Non-slip, rubberised control
elements

EXTREMELY SAFE

Stable power through all
temperature ranges,
thanks to lithium ion
battery
Eye-friendly light

4000A X1 SIGNAL WITH DIMMING FUNCTION & FLASHING FUNCTION



OPTIONAL (p. 134)

- ERGONOMIC CARRYING HANDLE
- WALL BRACKET (SET)
- CAR CHARGER (12 - 24 V DC)



INCLUSIVE

- 230 V CHARGER



MOBILE DIMMABLE LIGHTING WITH FLASHING FUNCTION

X1 POLICE (FLASHING MODE **BLUE**)

X1 TRAFFIC (FLASHING MODE **AMBER**)

X1 RESCUE (FLASHING MODE **RED**)

Homogeneous, white work light - switchable to coloured flashing light, DUAL-LED-ARRAYS, stepless dimming function, protection class III, 230 V charger

Item no.: 1440800062 (X1 Police)

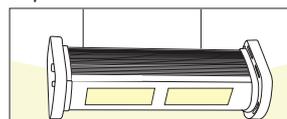
Item no.: 1440800060 (X1 Traffic)

Item no.: 1440800064 (X1 Rescue)

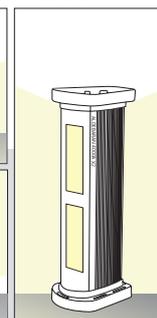
Photometric Data	X1 SIGNAL POLICE	X1 SIGNAL TRAFFIC	X1 SIGNAL RESCUE
Illuminant	DUAL LED-Array Technology		
Luminous flux (white) 100 % (REAL Lumen)*	1100 lm		
Luminous flux (coloured) 100 %	463 nm (blue)	594 nm (amber)	626 nm (red)
Lighting duration (white)	High Power: 3 h, Low Power: 19 h, Flashing mode: 8 h		
Colour temperature approx.	5000 K		
CRI	> 70		
General Data			
Battery	Li-ion, 33 Wh		
Charging time (2A charger)	2 h		
Ambient temperature	-30°C to +40°C		
Dimensions (LxWxH)	267 x 120 x 145 mm		



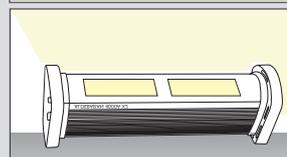
suspended



horizontal



vertical



Various alignment options - In certain areas, sufficient bright light is essential. Thanks to their compact dimensions, the cordless LED lights of the **ALDEBARAN® 4000A X SERIES / 4000A X1 SIGNAL SERIES** can easily be aligned horizontally, vertically or suspended.

SETO POWER LED



| PORTABLE WORK LIGHTING CAN BE USED AS HANDLIGHT & TRIPOD LUMINAIRE

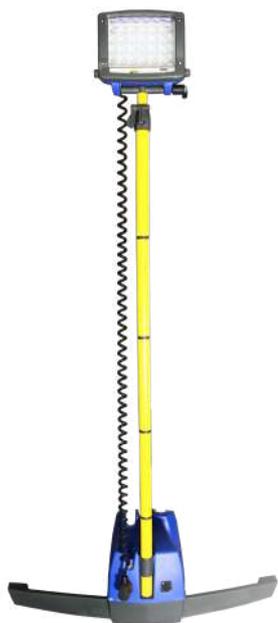
This high-performance luminaire represents the latest in mobile LED technology. It is robust, almost maintenance-free and easy to use.

The head of the luminaire consists of 30 highly efficient LEDs, which provide the user with a brilliantly bright light and are ideal for illuminating workplaces. The **SETO POWER LED** is characterized by an impact-resistant polymer housing and the steel parts processed inside, which in this combination guarantee a high level of safety for the entire device.

ADVANTAGES

- // Fully focusable 3-stage optics
- // Various possible uses
- // Integrated diffuser in the lamp head
- // Robust & almost maintenance-free
- // Protection against overcharging
- // Light quantity is adjustable from 8 % (flashing mode) to 100 %

POWER LED

**LED high-performance luminaire with lead-gel battery****30 powerful 3 W LEDs**

Rechargeable, integrated flashing & SOS function, integrated diffusing lens

2 application modes:

Hand lamp mode + tripod mode

Item no.: 73__100002

Item no.: 73__100001 (with remote control)

Item no.: 73__100006 (incl. 12/24V car charger)

Electrical Data

Charging voltage 230 V AC

Power consumption 43 W

Photometric Data

Illuminant 30 x High Power LED

Luminous flux (REAL Lumen)* 100 % = 4000 lm, 8 h

50 % = 2000 lm, 16 h

25 % = 1000 lm, 33 h

8 % = Flash, 110 h

Colour temperature approx. 6500 K

General Data

Illuminance Without diffusor 1 m: 73.430 lx / 3 m: 2.525 lx

With diffusor 1 m: 1.600 lx / 3 m: 246 lx

Charging time (with 22Ah Akku) 2.7 A charger: 9 h

Dimensions (LxWxH) 390 x 195 x 255 mm



The SETO POWER LED is also with Li-Ion battery available

Product features

QUICKLOCK EXTENSIONS

Through the **4 Quicklock extensions**, the lamp head can be heightened from 820 mm to 1800 mm. The rods make a simple and stable system possible, which can be extended quickly.

EASY TO USE

All **controlling elements unified at the backside of the lamp head** make easy and fast switching of each function possible.

MULTI-FOCUS-SYSTEM

The luminaire has a **swiveling multi-focus system** that offers both a tightly focused light beam and a wider floodlight.

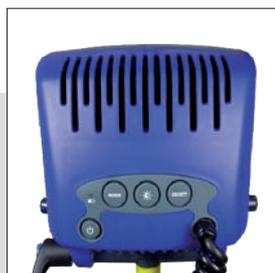
OPTIONAL ACCESSORIES

Transport bag for ideal storage and transport.

Dimensions:
400 x 250 x 320 mm
Weight: 1.20 kg



Incl. Quicklock rods for height adjustment



Easy use of the luminaires



Integrated diffusor



Optional: transport bag (p. 135)

SETO POWER LED FLEX

new



| BRILLIANTLY BRIGHT LIGHT IN EVERY DIRECTION -
THANKS TO THE FLEXIBLE LAMP HEAD

This high-performance lamp represents the latest state of the art in mobile LED technology. It is robust, almost maintenance-free and easy to handle. The head of the luminaire consists of three LEDs, each of which can be tilted by 45° and swivelled through 360°. The LEDs provide the user with a brilliant, bright light and are ideal for illuminating workplaces. The **SETO POWER LED FLEX** is characterized by a shock-resistant polymer housing and the steel parts processed inside, which in this combination ensure a high level of safety for the entire apparatus.

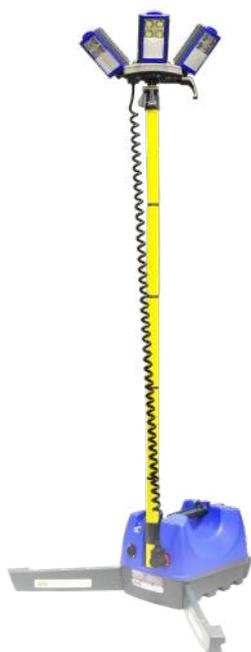
The **SETO POWER LED FLEX** is equipped with unique diffusers that allow to create a wide floodlight or a focused spot beam, or a combination of both. Each of the three light heads can be individually adjusted to achieve an optimal light image. The four supplied "Quicklock" extension rods provide an integrated and quickly deployable tripod so that the light head can be raised to a height of up to 1.8 m. Stabilising, fold-out legs ensure a secure stand at all times, even on uneven terrain.

ADVANTAGES

// 2 different application modes (*hand & tripod mode*)
// Change of beam characteristics (*integrated diffuser*)
// Tilting & swivelling LED'S

// Robust, almost maintenance-free & easy to use
// The amount of light is adjustable from 8 % to 150 %

POWER LED FLEX



LED high-performance lamp with lead-gel battery + with tilting & swiveling lamp head 12 powerful LEDs

Rechargeable, spot- & flood light, integrated diffusers

2 application modes:

Hand lamp mode + tripod mode

2 main operating mode:

Work lighting: 15 brightness levels

Signal mode: flashing white, SOS flashing

Item no.: 73_100040 (230 V, lead-gel battery, 12.7 kg)

Item no.: 73_100050 (230 V / 2-24 V, lead-gel battery, 12 kg)

Electrical Data

Charging voltage	100 - 240 V AC
Power consumption	100 % = 70 W 150 % = 105 W

Photometric Data

Illuminant	12 x high power LEDs
Luminous flux (REAL Lumen)*	150 % = 12000 lm 100 % = 8500 lm

General Data

Operating duration	150 % = 1 h 45 min. 100 % = 3 h 50 % = 7 h 10 % = 40 h
Charging time	6 h
Dimensions (LxWxH)	430 x 220 x 255 mm



Also with
Li-Ion battery
available

Spotlight

Floodlight

Product features

TRIPOD MODE

Thanks to the 4 **Quicklock extension rods**, the **SETO POWER LED FLEX** can quickly and easily be used as a tripod luminaire.

EASY HANDLING

All **operating elements** are placed on the **back side of the light head** and make easy switching of each function possible.

MULTI-FOCUS-SYSTEM

The luminaire has **rotatable & tiltable lamp heads** and a **swiveling multi-focus system** that offers both a narrowly focused light beam and a wider floodlight.

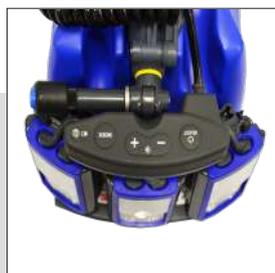
OPTIONAL ACCESSORIES

Transport bag for ideal storage wand transport.

Dimensions:
400 x 250 x 320 mm
Weight: 1.20 kg



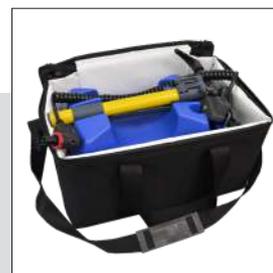
Incl. quicklocks rods for height adjustment



Simple operation of the light



360° rotatable & 45° tiltable



Optional: transport bag (p. 135)



Tent & Container Illumination

60-93

GERM KILLING	60 - 61
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GERM KILLING

new



keim-killer.com

| COATING WITH GERM KILLING RILIT PAINT

 **COVID-19
EFFECTIVENESS
CONFIRMED**

In addition to tent lights from the ALDEBARAN® SERIES, many other products can also be coated with germicidal Rilit paint. SETOLITE has been dealing with germicidal coatings for mobile lighting for more than eight years. **The advantages are obvious:** Instead of having to laboriously clean luminaires in areas with special hygiene requirements, they clean themselves through permanent reaction processes on the surface.

For an optimal result, we at SETOLITE have invested a lot of resources since 2012 as part of our “Keim Killer” project and delivered the corresponding results as part of a research contract from the IUTA (*Research Institute for Energy and Environmental Technology*). Almost at the same time, the RILIT company was successfully researching in the same direction with the aim of making corresponding surface coatings usable for various applications. Thanks to the cooperation between SETOLITE & RILIT, it is now possible not only to coat all the lights in the **ALDEBARAN® SERIES**, but also a large number of other products. We offer you the option of coating your products at our location to kill germs with RILIT lacquers, or support you with the appropriate know-how and the necessary lacquers if you want to use this technology yourself.

ADVANTAGES

- // Permanently germ-free surfaces
- // Transparent lacquer, is not perceived as a lacquered surface
- // Applicable to various lights as well as to all heavily frequented areas
- // Highly frequented areas that are walked on or touched can also be coated

How Perlazid® Works ...

Perlazid® consists of three components: copper, silver and tri-calcium phosphate. These three substances are thermally fused together. Silver and copper are metals that have a damaging effect on various pathogens (read under Wikipedia: Oligodynamie). Tri-calcium sulphate is an organic substance that is also present in our bones and serves as an "attractant" for bacteria etc., which seek this substance as a source of food and specifically "feed" on it. In the process, they come into contact with the silver and copper contained in the paint and die. Surfaces that have been treated and coated with Perlazid® are therefore permanently sterile! The degradation rates can be found in the individual certificates and laboratory reports.

What we do ...

Our products are always used where there are large crowds of people, but also in medically used rooms, such as field camps, field hospitals, temporary lightweight buildings, temporary examination rooms, check-points, etc. There, the accumulation of bacteria, viruses and fungi is disproportionate. The bacteria, viruses and fungi in the air, etc. are constantly brought to the lamps by natural turbulence of the air. Because the luminaires radiate heat, this effect is additionally increased.

When germs come into contact with Perlazid®, they are degraded – the larger the surface, the greater the degradation rate. Perlazid® is applied by means of a special spraying process – HVLP – and adheres to almost all surfaces.

Advantages over disinfection

Surfaces treated with disinfectant are freed from bacteria, viruses and fungi for a short time.

Once these surfaces have dried off from the disinfectant, they are contaminated again at the next human contact and must be permanently disinfected again. On the other hand, treated surfaces with Perlazid® directly break down the germs - without further disinfection.

What to do ...

Even the ancient Romans knew that silver and copper kill germs. They put a piece of silver in the milk to make it last longer. The tri-calcium phosphate component is not new either, as it is part of our bones. What is really new is the process for the production of perlazide and the exact dosage of the three ingredients that help to achieve a quick, germ-free result.

The coating process ...

Coating with paints from Antisepticline 2.0 is carried out using the HVLP process. The HVLP process (*High Volume Low Pressure*) enables a high material transfer rate due to a lower internal nozzle pressure. Finished luminaires are dry-cleaned with a microfiber cloth before coating and permanently coated with the 2-component perlazide varnish. This procedure is a special procedure from the company Wagner. This ensures that you get a perfect result. The layer thickness is only a few µm. Please do not use a commercially available spray gun, as this will not achieve optimal results.

SETO COMBAT SERIES



| IMMEDIATELY AVAILABLE LIGHT FOR TENTS & OPERATING CONTAINERS IS THE GREAT STRENGTH

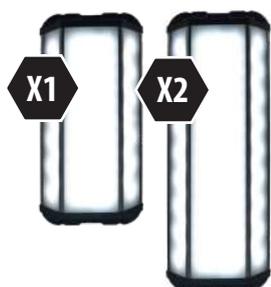
Thanks to the latest generation of high-performance LEDs, enormous light potential has been realised in an extremely compact design. Thanks to state-of-the-art lithium-ion battery technology, multiple hours of operation at full power is possible even where no power source is available.

In addition to the strong light and the high luminous duration, the SETO COMBAT also enables switching between the light colours cold, warm and neutral white, depending on the application situation.

The direction of light (*lateral or central radiation*) can also be controlled independently. In each light colour and direction, the intensity can also be switched in three stages - the result is perfect, homogeneous illumination in the demand area. But the **SETO COMBAT** only becomes a universal light unit thanks to its flexibility. Two integrated mounting points on the back and front allow quick fixation with the enclosed hooks or carabiners, e.g. on tripods, ropes or poles. Belt mounting is also possible thanks to the side tabs.

ADVANTAGES

- // Low weight with above average light output and battery life
- // 3 different light colours (cw/ww/nw), dimming levels & beam angle
- // Integrated powerbank function
- // Versatile mounting options (*tent poles, container ceilings, with belts*)

COMBAT
X1 & X2**Tent- and container lighting**
3 light colours (6200 K / 4200 K / 3000 K)

Dimming function, lateral & central beam angle, powerbank function, housing made of high-performance synthetic stucco & aluminum, protection class III

Item no.: 1424000021 (COMBAT X1, 598 g)

Item no.: 1424000022 (COMBAT X2, 822 g)

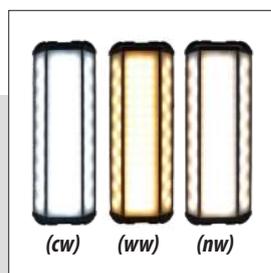
Electrical Data	SETO COMBAT X1	SETO COMBAT X2
Input voltage	DC 12.6 V / 3 A	
Photometric Data		
Illuminant	LED technology	
Luminous flux (REAL Lumen)*	300 - 3200 lm	400 - 4000 lm
Lighting duration	6.5 h ~ max. 78 h	7.5 h ~ max. 78 h
Colour temperature	3000 (ww), 4200 K (nw), 6200 K (cw)	
General Data		
Battery	Li-ion, 3.6 V, 15600 mAh	Li-ion, 3.6 V, 23400 mAh
Charging time	3 h	4 h
Dimensions (LxWxH)	229 x 100 x 36 mm	296 x 100 x 36 mm



Mountable on various tripod systems



Max. 4 hours to full charge



3 different light colours



Included: illuminance with straps, hanging hooks + bag & power supply

Battery - Level - Display

The **SETO COMBAT SERIES** has a very fast charging speed and requires only max. four hours to full charge. A built-in circuit breaker protects the luminaire against overcharging.



Various lighting modes

The direction of light (*lateral or central radiation*) can be controlled independently. In addition, the intensity can be switched in three stages - the result is perfect, homogeneous illumination in the demand area.



Integrated powerbank

The **SETO COMBAT SERIES** also has an integrated power bank. Via the USB interface, you can e.g. For example, charging smart-phones or tablets with the lamp

Including accessories

Lamp with belt, hanging hook (2 pcs.) + bag & power supply



Various light modes

The luminaire can switch between three different light colours (*warm, neutral or cold white*)





SETO

ALE - SYSTEM



| SPECIALLY DEVELOPED FOR SITUATIONS,
WHICH REQUIRE AUTONOMOUS LIGHTING EQUIPMENT

The SETO ALE-SET consists of the tried-and-tested SETO COMBAT luminaires, a sturdy telescopic tripod made of lightweight aluminium and a practical transport bag. It has been specially developed for all situations that require autonomous lighting equipment.

Due to the different, adjustable light colours and the dimmable brightness in several stages while the lights are flexible in alignment on the tripod, almost any environment can be illuminated in accordance with the application. A big advantage of the **SETO ALE-SET** is that it is ready for immediate use without an external power source. In addition, the luminaires can also be used independently of the tripod, should the operating conditions require it.

Feature: You can use the luminaires as a power bank to charge a mobile phone or other equipment. Low weight and compact dimensions of the SETO ALE-SET, which can be stored in the practical bag, round off the package.

ALE - SET X1 & X2



Autonomous lighting equipment with luminaires from the COMBAT SERIES

SET:

3 lights of the X1 or X2,
tripod, power supply, transport bag,
solar panel (*optional*)

3 light colours (*ww / nw / cw*)
Swivel & rotating luminaires

Item no.: 1410001250 (ALE SET X1)

Item no.: 1410001251 (ALE SET X2)

Luminaire		
Illuminant	LED technology	
Luminous flux (REAL Lumen)*	300 - 3200 lm	400 - 4000 lm
Lighting duration	6.5 h ~ max. 78 h	7.5 h ~ max. 78 h
Colour temperature approx.	3000 (ww), 4200 K (nw), 6200 K (cw)	
General Data		
Battery	Li-ion, 3.6 V, 15600 mAh	Li-ion, 3.6 V, 23400 mAh
Charging time	3 h	4 h
Dimensions (LxWxH)	229 x 100 x 36 mm	296 x 100 x 36 mm
Tripod		
Material	Aluminium	
Height (max)	240 cm	
Height (folded)	87 cm	
Payload	5 kg	

IP54



1.8

Product features

- // Lights can be swivelled by 90° and rotated by 360°
- // 3 different light colours (*ww / nw / cw*)
- // Lights can be used as a power bank via USB port
- // Charging also possible via solar panel (*optional*)

3 luminaires incl. 3-fold
light holder,
tripod, power supply,
transport bag

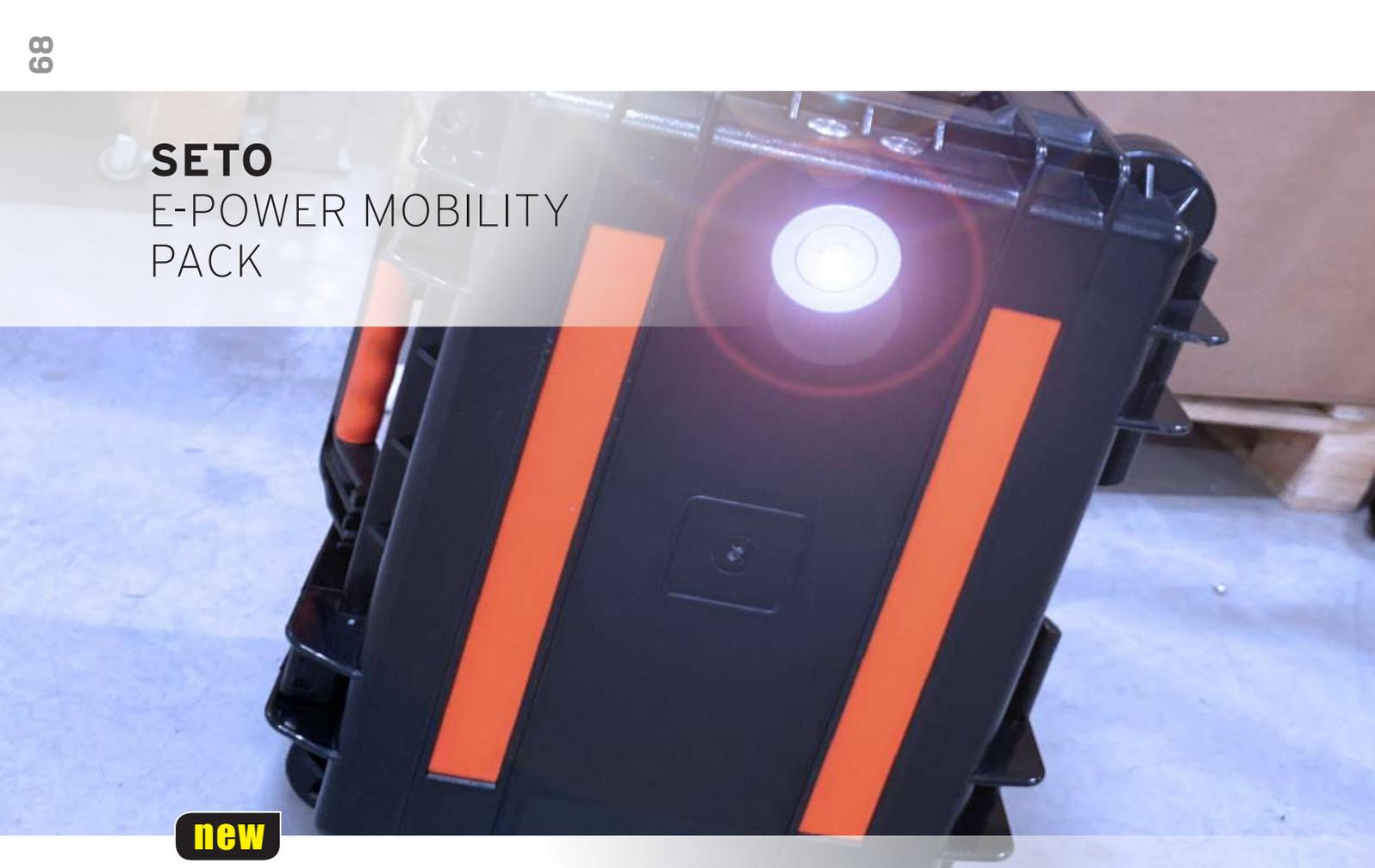
⊗ ALSO AS A REPLACEMENT
(Transport bag, p. 136)

⊗ (Plate with bolt, p. 136)



SETO

E-POWER MOBILITY PACK



new

| SELF-SUFFICIENT POWER SOURCE FOR MOBILE DEVICES

With the SETO E-POWER MOBILITY PACK, there is now also a mobile power source in the form of a portable battery from SETOLITE.

The **SETO E-POWER MOBILITY PACK** can be used completely independently and has a continuous load of up to 1800 watt (*or 3600 watt for a short time*). So it delivers enough power for every application. Using the supplied charger, the **SETO E-POWER MOBILITY PACK** is recharged to its full capacity within just eight hours.

Compact dimensions and low weight make the **SETO E-POWER MOBILITY PACK** the ideal and indispensable companion for mobile use.

ADVANTAGES

- // Autonomous use
- // Compact dimensions & low weight
- // Various protective functions
- // By means of supplied charger within less charged hours
- // Li-ion battery

E-POWER MOBILITY PACK EP1000



Mobile power source

Pure sine wave output, display indicator, USB output, Protection class II, Li-ion battery, 230 V output + sockets

Item no.: 1428001010

Electrical Data

Output AC voltage	230V AC
Output Power (duration)	800 W
Output	DC 5 V / 2 A

General Data

Battery (Li-Ion)	24 V
Charging time	8 h
Dimensions (LxWxH)	413 x 260 x 156 mm



E-POWER MOBILITY PACK EP2000



Mobile power source

Pure sine wave output, display indicator, USB output, Protection class II, Li-ion battery, 230 V output + sockets

Item no.: 1428001020

Electrical Data

Output AC voltage	230V AC
Output Power (duration)	1400 W
Output	DC 5 V / 2 A / DC 12 V / 3 A

General Data

Battery (Li-Ion)	48 V
Charging time	8 h
Dimensions (LxWxH)	408 x 311 x 166 mm



E-POWER MOBILITY PACK EP3000



Mobile power source

Pure sine wave output, display indicator, USB output, Protection class II, Li-ion battery, 230 V output + sockets

Additional function:
frontal LED light

Item no.: 1428001030

Electrical Data

Output AC voltage	230V AC
Output Power (duration)	1800 W
Output	DC 5 V / 2 A / DC 12 V / 3 A

General Data

Battery (Li-Ion)	48 V
Charging time	6 h
Dimensions (LxWxH)	458 x 348 x 205 mm



Display for charging status



AC / DC outputs for different devices



Carrying handle



Optional: protective cover optimal protection against dust and moisture (p. 136)

MOBILE APPLICATION LIGHTING



new

| LIGHT, SIMPLE, MULTIFUNCTIONAL

ALDEBARAN® MOBILE APPLICATION LIGHTING is a system that enables large-scale illumination of damage areas - even on sloping surfaces.

In contrast to well-known tripods, the foot mechanism of the pneumatic mast allows adaptation on almost any surface such as slopes, faults or even stairs. Three integrated pivoting and tilting 60 watt LED lights on the head of the tripod enable targeted, glare-free and safe illumination even in large areas.

Wherever you need light, off-road, road or highway - the MOBILE USE LIGHTING can be used anywhere.

ADVANTAGES

- // Various alignment options
- // Easy to transport, thanks to compact dimensions
- // Flexible system universally applicable
- // Flexible MAST-FOOT-SYSTEM, especially suitable for uneven surfaces

MOBILE APPLICATION LIGHTING



FLEXIBLE APPLICATION LIGHTING

Fast & easy illumination at rescue operations, accidents or comparable situations

SET

3 fixed fixtures,
3-foot tripod incl. hand pump with
drain valve + adjustable tripod feet,
rotating, swiveling & tilting head

Item no.: 1410001252 (SET)

Illumination

Input voltage	180 - 265 V AC
Power consumption	150 W
Illuminant	LED technology
Luminous flux (REAL Lumen)*	21000 lm
Colour temperature	4000 K
CRI	> 80
Beam angle	3 x 60° swiveling

IP44 24

Tripod

Material	Aluminum / steel
Height (max)	326 cm
Diameter (max)	200 cm

IP68

Rotation, swiveling & tiltable



OPTIONAL
(Transport bag, p. 136)

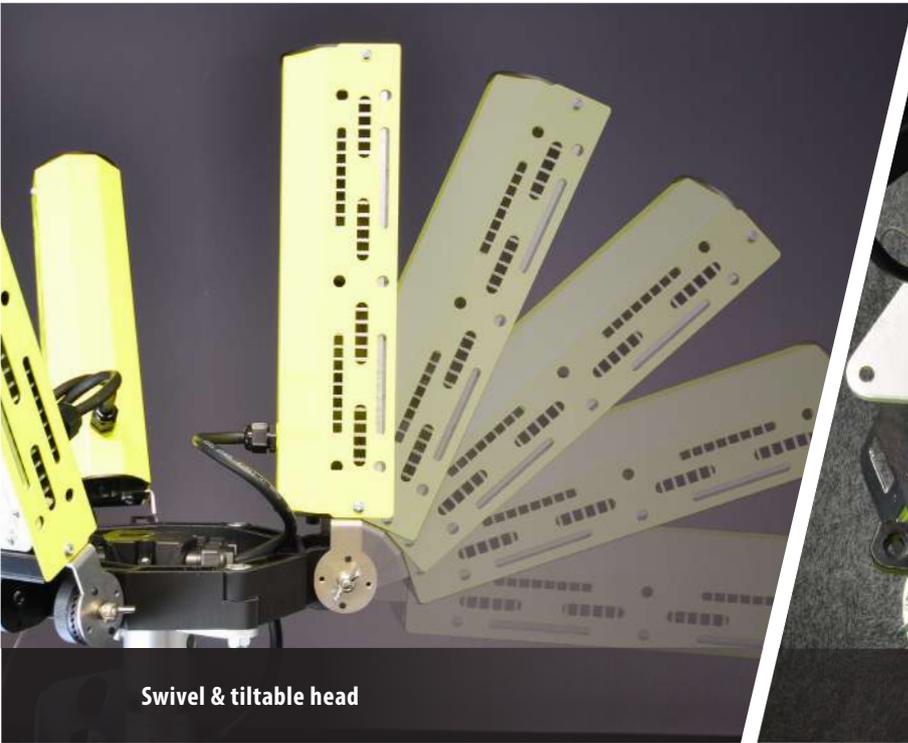
Flexible 3-foot tripod
with hand pump incl.
fixed luminaires with
high level of protection
IP68

OPTIONAL
(Mobile power source, p. 69
& protection cover, p. 136)



“ **FLEXIBLE
SYSTEM**
UNIVERSALLY
APPLICABLE

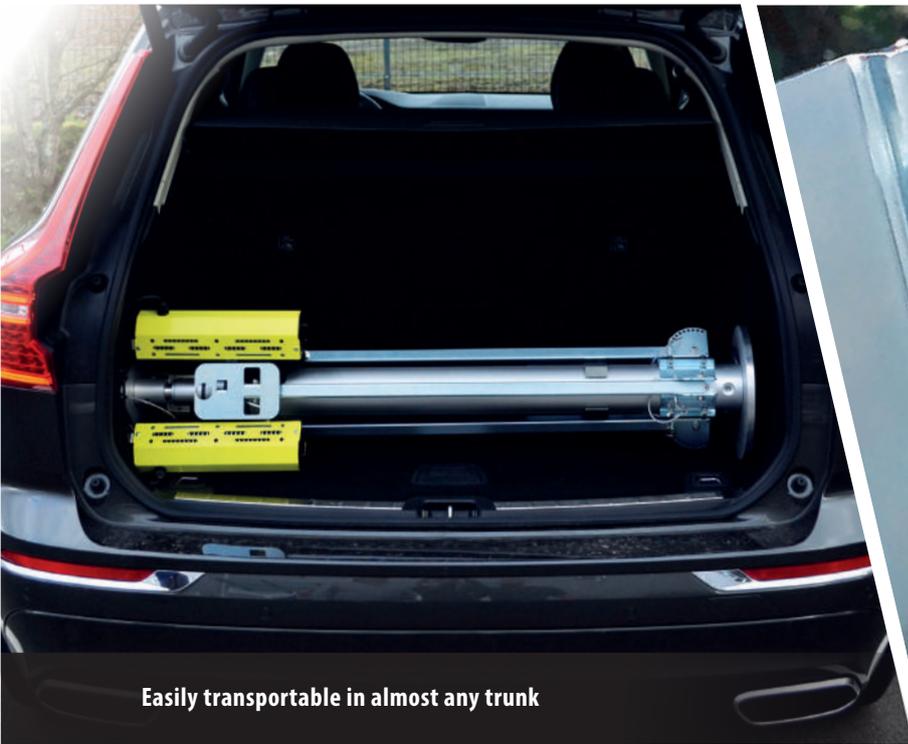




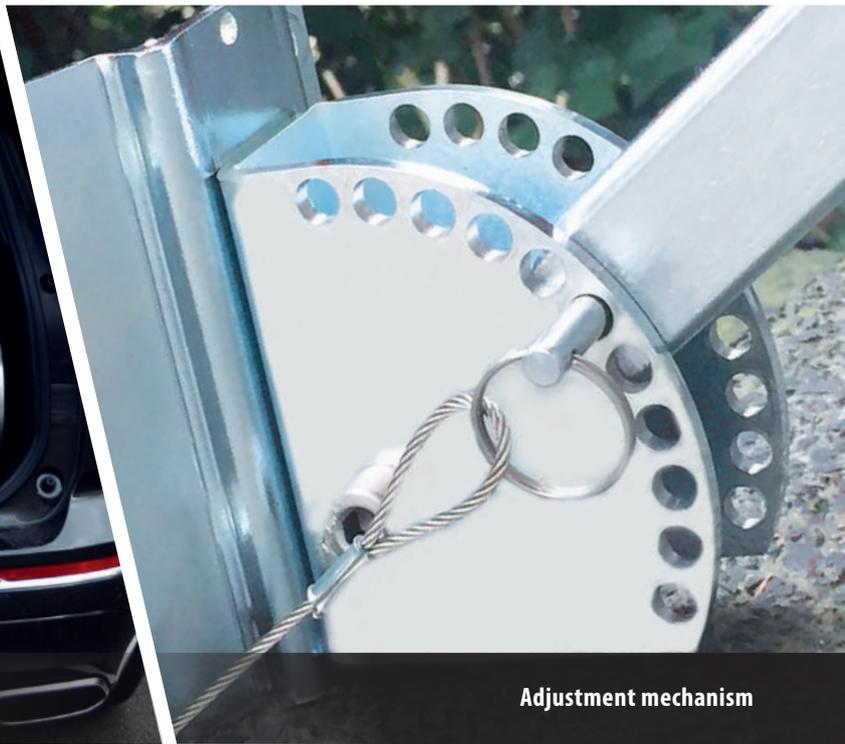
Swivel & tiltable head



Variably adjustable



Easily transportable in almost any trunk



Adjustment mechanism



Adjustable angle of inclination



Mast foot - specially for uneven areas

SETO WAREHOUSE



IP65

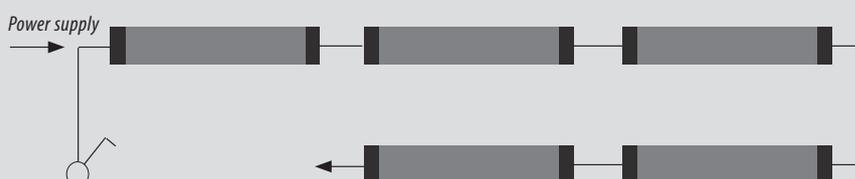
new

| A LIGHT-TECHNICAL PRODUCT THAT ALWAYS FITS & ANYWHERE

The SETO WAREHOUSE is a durable LED luminaire for particularly rough applications. Wherever wet, cold, dust or oils are used, the SETO WAREHOUSE is the right lighting product.

This luminaire is characterised by a robust aluminum housing, a UV-stabilised polycarbonate disc and impact-resistant plastic end caps. The luminaire has quick-release end caps for easy installation. The **SETO WAREHOUSE** is waterproof and easy to clean. The light is unbeatable in its versatility, robustness and in its price-performance ratio.

Multiple mounting



With 3-core through wiring and with a cross section of 2.5 mm² it is possible to switch up to 33 luminaires one after the other.

WAREHOUSE 40W



IP65 Lamp for rough use

Robust aluminum housing, UV-stabilized polycarbonate disc, impact resistant plastic caps, for single & multiple mounting, 3-wire through wiring, protection class I, impact resistant according to IK10, water & dust seal

Item no.: 1424000251

Electrical Data

Input voltage 200-240 V AC

Power consumption **40 W**

Photometric Data

Illuminant LED technology

Luminous flux (REAL Lumen)* **5600 lm**

Colour temperature 5000 K

CRI > 80

Beam angle 120°

General Data

Ambient temperatur -15°C to +50°C

Dimensions (LxWxH) **1225 x 84 x 63 mm**



WAREHOUSE 60W



IP65 Lamp for rough use

Robust aluminum housing, UV-stabilized polycarbonate disc, impact resistant plastic caps, for single & multiple mounting, 3-wire through wiring, protection class I, impact resistant according to IK10, water & dust seal

Item no.: 1424000261

Electrical Data

Input voltage 200-240 V AC

Power consumption **60 W**

Photometric Data

Illuminant LED technology

Luminous flux (REAL Lumen)* **8400 lm**

Colour temperature 5000 K

CRI > 80

Beam angle 120°

General Data

Ambient temperature -15°C to +50°C

Dimensions (LxWxH) **1500 x 84 x 63 mm**



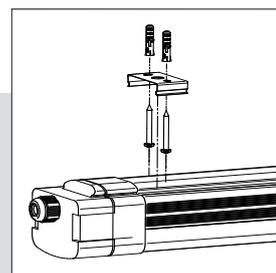
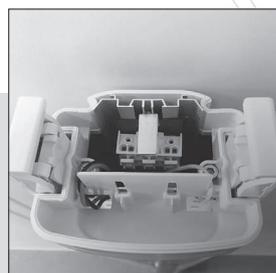
Further variants

**with dimming function,
with an output of up to 100 W or
with emergency lighting function**

**You fix 2 clamps (stainless steel)
& click on the lamp.
The clamps can also be
secured by a screw.**



Thanks to the integrated Fast + Connect socket, you can insert the line and close it with the tension fastener

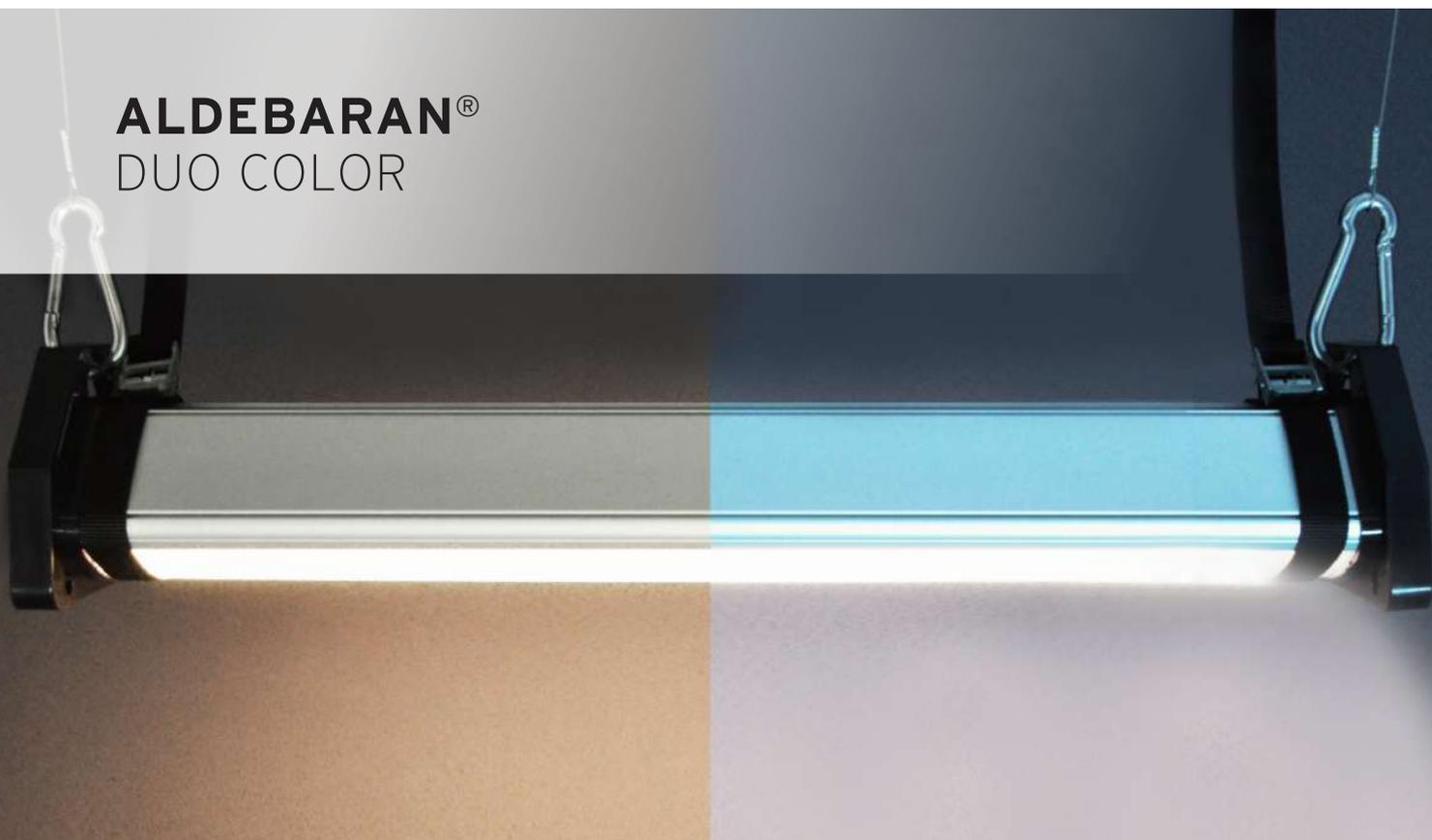


Simple installation with the including Quick-Installation-System

Scope of delivery: luminaire, 2 clips, screws with dowels

ALDEBARAN®

DUO COLOR



| SMART LED TECHNOLOGY WITH REMOTE CONTROL SYSTEM

Smart LED technology with remote control system – Our well-being, whether we are active or relaxed, depends on our biorhythm, which is controlled by different hormones in the body. Among other things, two hormones, cortisol and melatonin, play a special role here.

About ten years ago, studies conducted by the University of Eppendorf on behalf of Philips and Osram showed that different colour temperatures influence the release of cortisol and melatonin. Blue receptors in the human eye transmit the required stimuli to the brain. Since our biorhythm is essentially oriented to the sun, we are awake in the morning and during the day with a higher proportion of blue light and can relax in the evening at sunset with an increased proportion of red in the light. The human being is the most important factor for you? Then the used light should also correspond to its biological rhythm.

ADVANTAGES

- // Integrated stepless dimming function
- // 2 light colours, continuously mixable from warm white over normal white, up to cold white
- // Controllable via remote control system
- // Adaptable to the biological rhythm of man



DUO COLOR

**Tent lighting with remote control system**

2 light colours - continuously mixable (6000 K to 3000 K), aluminum housing, PMMA disc (*milky*), end caps made of polyphor

Connection cable: H07RN-F 3G1,5 (5 m)

Schuko socket (*opposite*): IP54, incl. RF 2.4 GHz remote control

Item no.: 1417182903

Electrical Data

Input voltage	100 - 240 V AC
Power consumption	55 W

Photometric Data

Illuminant	LED strip technology
Luminous flux (REAL Lumen)*	3900 lm
Colour temperature	3000 - 6000 K
CRI	> 84

General Data

Ambient temperature	-32 °C to +49 °C
Dimensions (LxWxH)	565 x 160 x 105 mm
Remote control	2.4 GHz



WARM PROMOTES MELATONIN

COLD PROMOTES CORTISOL



Remote control for setting of cold, warm, or neutral white. The range is approx. 20 m. Continuous dimming over Remote control controllable.

THE ADC-SYSTEM

is designed for tents of up to approx. 80 m². The system is limited only by the range of the remote control of max. 20 meters radius of action. Thus, ADC works without problems in tent and room systems of medium size. The **ALDEBARAN® DUO COLOR** is infinitely adjustable in terms of light colour and intensity. From the computer workstation to the feel-good oasis with ADC, you always have the right light. **Our smart LED technology is not only highly efficient, but also the light quality and intensity leave nothing to be desired.**

The **ALDEBARAN® DUO COLOR – ADC** for short – allows you to adjust the correct colour temperature according to your requirements profile with a wipe. ADC works in the range of 3000 to 6000 K and can be steplessly regulated between cold and warm white via the remote control.



Resting phase

| relaxed |



Recovery phase

| neutral |



Concentration phase

| productive |

MELANOPIC EFFECTIVE LIGHTING

Light is essential for man. However, sufficient daylight is not always available.

Melanopically effective illumination helps to synchronize the organism with its environment.

The modern man in the developed industrial societies lives mainly in indoor spaces with artificial lighting and is increasingly distancing himself from his natural rhythms. Many work in shifts or in windowless buildings. The brightness and dynamism of daylight thus lose importance as well as the darkness of the night. While outdoor lighting levels still reach several thousand lux even on a cloudy day, the level of artificial illumination at the workplace is significantly lower than in natural daylight.

This has consequences: *Too little light during the day can cause the inner clock of the person to shift or the sleep and waking phases of the person to be less pronounced. Both have a negative effect on the chronobiological rhythm and may affect health.* The brightness of daylight depends heavily on the geographical location, weather, time of year and time of day. In Central Europe, most rooms could be illuminated by natural light from around 8 a. m. to 5 p. m. , but in most cases the daylight coming through the windows is not sufficient at the depth of the room.

Daylight determines the factors of biologically effective lighting:

- Illumination
- Flatness (*uniformity*)
- Direction of light
- Colour temperature; and
- Dynamics of light in the course of the day and the seasons



Lighting with non-visual effects

Cannot exactly copy natural daylight either technically or for energy reasons, but can provide important impulses. Studies show, for example, that illuminance levels of between 500 and 1500 lux can be biologically effective at the workplace. Melanopically effective lighting can be switched on or - depending on the amount of daylight - automatically and continuously adjusted. The use of daylight increases the quality of lighting, enhances well-being and optimises energy use. To reach the particularly light to reach the particularly sensitive photoreceptors in the lower areas of the retina, it must - similar to daylight - reach the eye over a large area from the upper half of the retina. Colour temperature continues to play a crucial role: during the day, it should resemble natural light with high blue components.



3500 K

| warm white |

After you've done your job, you should relax. Lower the colour temperature to 3500 K (*warm white*) and the release of cortisol is stopped. Pure relaxation is a must, like a sunset.



4500 K

| neutral white |

Breaks are periods of relaxation during which one strengthens oneself during a short rest period for the next challenges. Mix the colour temperature to approx. 4500 K (*neutral white*), then the cortisol is buried in the body around 50 % melatonin, which promotes recovery.



5600 K

| cold white |

Use your space e.g. for tasks with a laptop or for work where full concentration is required, our body's own hormone cortisol is needed. From 5600 K (*cold white*) colour temperature of the light cortisol is 100 % available in our body, as on an early morning.



Resting phase



Recovery phase



Concentration phase



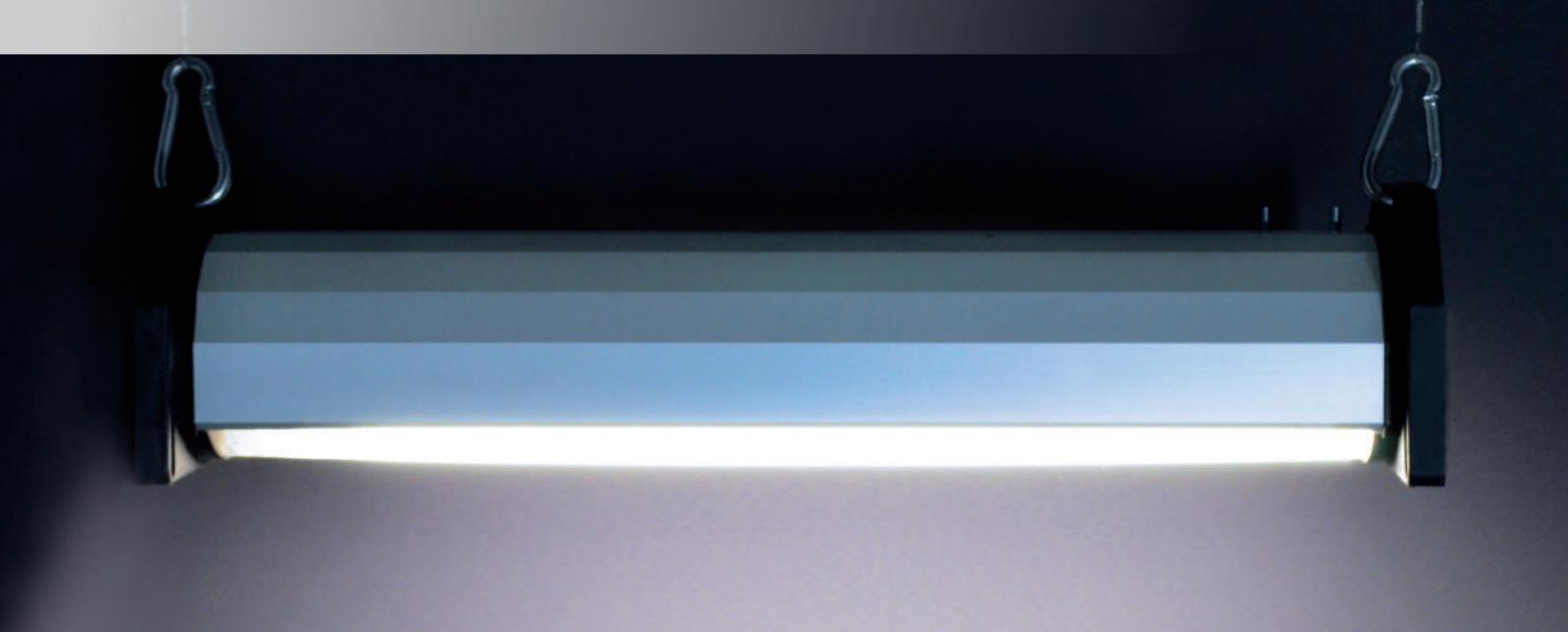
When using artificial lighting with non-visual effects, the following applies:

The right light at the right time. Because the melanopic effect is particularly strong after darkness has passed, especially in the morning.

In addition to daytime synchronisation with long-term effect, melanopically effective light can also be used for activation: in this case, for example, illuminance and colour temperature are raised for a short time at midday or in the early afternoon. In the evening, activation is not desired; warm light colours and reduced illuminance levels put the body in the mood for a good night's rest.

ALDEBARAN®

1000 SERIES



| DURABLE & ROBUST LIGHTING

The ALDEBARAN® 1000 SERIES is a piece of lighting history that was created with the aim of developing a durable product that can be used universally even under difficult conditions.

The choice of basic materials, such as aluminum and viscous plastics, give the **ALDEBARAN® 1000 SERIES** its outer robustness. Also inside, SETOLITE has put emphasis on quality in the workmanship to make this product impact and shock resistant.

ADVANTAGES

- // **Homogeneous and glare-free working light**
- // **Resistant to impact, shock and vibration** (*Components are screwed together shaking-resistant*)
- // **Variants available with integrated dimmer**
- // **Passive, wear-free cooling technology**
- // **75 % energy savings through energy saving lamps**

2x36 W ECG
2x55 W ECG



Mobile work lamp

ECG - ballast, aluminum housing,
impact-resistant acrylate disc,
socket (same side): IP54

Item no.: 1410230361 (2 x 36 W EVG, 2.9 kg)

Item no.: 1410230551 (2 x 55 W EVG, 3.4 kg)

Electrical Data		2 x 36 W ECG	2 x 55 W ECG
Input voltage		230 V AC	220 - 240 V AC
Power consumption		2 x 36 W	2 x 55 W
Rated current		0.33 A	0.5 A
Photometric Data			
Illuminant		2 x PL-L 36 W / 840	2 x PL-L 55 W / 840
Luminous flux		5800 lm	9600 lm
General Data			
Ambient temperature		-20 °C to +40 °C	
Dimensions (LxWxH)		485 x 190 x 145 mm	610 x 190 x 145 mm



2x36 W ECG DIM
2x55 W ECG DIM



Mobile work lamp with dimming function

Dimmable up to 3 % of power, ECG - ballast,
aluminum housing, impact resistant acrylate disc,
socket (opposite): IP54

Item no.: 1410230363 (2 x 36 W EVG DIM, 4 kg)

Item no.: 1410230553 (2 x 55 W EVG DIM, 4.25 kg)

Electrical Data		2 x 36 W ECG DIM	2 x 55 W ECG DIM
Input voltage		230 V AC	
Power consumption		2 x 36 W	2 x 55 W
Rated current		0.34 A	0.52 A
Photometric Data			
Illuminant		2 x PL-L 36 W / 840	2 x PL-L 55 W / 840
Luminous flux		5800 lm	9600 lm
General Data			
Ambient temperature		-20 °C to +40 °C	
Dimensions (LxWxH)		485 x 190 x 145 mm	610 x 190 x 145 mm



2x36 W ECG EM



Mobile work lamp with emergency function

Integrated emergency light, control module ignition time: 0.3 s.
ECG - ballast, aluminum housing, impact resistant acrylate disc,
socket (same site): IP54

Item no.: 1410230362 (2 x 36 W EVG EM, 5 kg)

Electrical Data	
Input voltage	230 V AC
Power consumption	2 x 36 W
Rated current	0.38 A
Photometric Data	
Illuminant	2 x PL-L 36 W / 840
Luminous flux	5800 lm
Emergency power supply	570 lm
General Data	
Ambient temperature	-20 °C to +40 °C
Dimensions (LxWxH)	485 x 190 x 145 mm



ALDEBARAN®

SMARTLINE RP

LED SERIES



| TENT LIGHTING WITH HIGH EFFICIENCY

The luminaires of the ALDEBARAN® SMARTLINE RP LED SERIES serve as a smart replacement for lamps with compact fluorescent technology and impress with their flexibility and efficiency.

The simple, timeless design combines a modular basic design with the advantages of modern and energy-saving LED technology. Versatile possibilities for fastening and suspension maximize the application potential of the **SMARTLINE** luminaires.

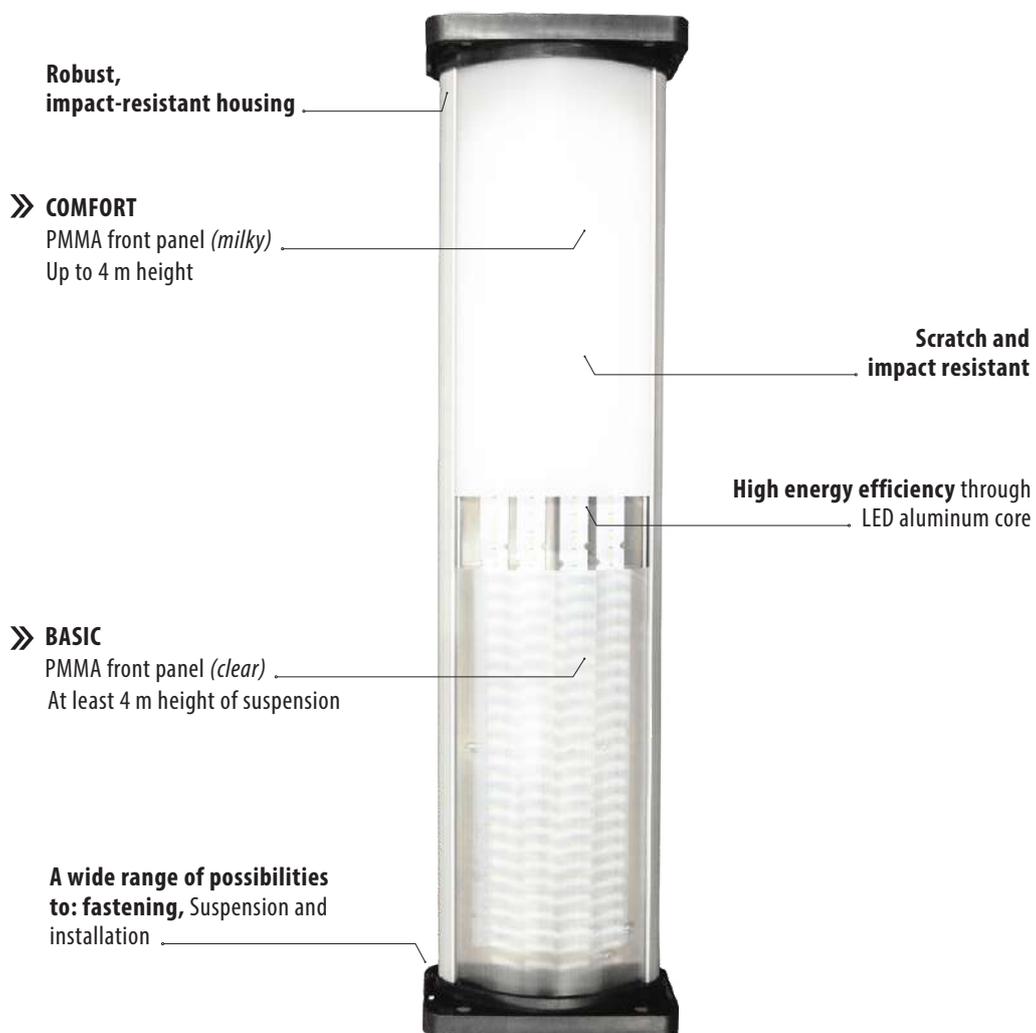
A low dead weight and the reduced overall height also provide unbeatable advantages on the logistics side.

ADVANTAGES

- // Various mounting options
- // Additional options: motion detection using the latest microwave technology & "Light on demand" control
- // Low weight
- // Reduced height



Comparison BASIC vs. COMPACT



Easy & fast to mount on ceilings



Schuko socket with IP54



Optional:
nylon fastening straps (p. 136)

RP110 LED BASIC
RP110 LED BASIC EM



LED BASIC:

Front screen: PMMA (clear), 3.5 kg

Plug / Socket (opposite): Schuko IP44 / IP54

LED BASIC EM (with emergency function)

Front screen: PMMA (clear), 3.6 kg

Plug / Socket (opposite): Schuko IP44 / IP54

Item no.: 1417141103 (BASIC)

Item no.: 1417241303 (BASIC EM)

Electrical Data	BASIC	BASIC EM
Input voltage	100 - 240 V AC	220 - 240 V AC
Power consumption	60 W	46 W
Photometric Data		
Illuminant	LED strip technology	
Luminous flux (REAL Lumen)*	6500 lm	6100 lm
Luminous flux (emergency light operation)	-	900 lm
Colour temperature	4000 K	
CRI	> 80	
General Data		
Ambient temperature	-25 °C to +50 °C	-10 °C to +40 °C
Dimensions (LxWxH)	610 x 160 x 105 mm	610 x 160 x 105 mm

IP54

RP110 LED COMFORT
RP110 LED COMFORT EM



LED COMFORT:

Front screen: PMMA (milky), 3.5 kg

Plug / Socket (opposite): Schuko IP44 / IP54

LED COMFORT EM (with emergency function)

Front screen: PMMA (milky), 3.6 kg

Plug / Socket (opposite): Schuko IP44 / IP54

Item no.: 1417142103 (COMFORT)

Item no.: 1417242303 (COMFORT EM)

Electrical Data	COMFORT	COMFORT EM
Input voltage	100 - 240 V AC	220 - 240 V AC
Power consumption	60 W	46 W
Photometric Data		
Illuminant	LED strip technology	
Luminous flux (REAL Lumen)*	5400 lm	5100 lm
Luminous flux (emergency light operation)	-	500 lm
Colour temperature	4000 K	
CRI	> 80	
General Data		
Ambient temperature	-25 °C to +50 °C	-10 °C to +40 °C
Dimensions (LxWxH)	610 x 160 x 105 mm	610 x 160 x 105 mm

IP54

RP72 LED COMFORT



LED COMFORT:

Front screen: PMMA (milky), 2.8 kg

Plug / Socket (opposite): Schuko IP44 / IP54

LED COMFORT EM (with emergency function)

Front screen: PMMA (milky), 3.5 kg

Plug / Socket (opposite): Schuko IP44 / IP54

Item no.: 1417440101 (COMFORT)

Item no.: 1417443101 (COMFORT EM)

Electrical Data	COMFORT	COMFORT EM
Input voltage	220 - 240 V AC	
Power consumption	34 W	36 W
Photometric Data		
Illuminant	LED strip technology	
Luminous flux (REAL Lumen)*	3900 lm	3900 lm
Luminous flux (emergency light operation)	-	540 lm
Colour temperature	4000 K	
CRI	> 80	
General Data		
Ambient temperature	-25 °C to +50 °C	-10 °C to +40 °C
Dimensions (LxWxH)	485 x 160 x 105 mm	

IP54

RP72 LED 12-42V

**MODEL OVERVIEW****12-24 V DC, 24 V DC, 24 V AV, 42V AC,****Front screen:** PMMA, Various with different plugs / connectors**Supply line:** H07RN-F (5 m)**Electrical Data**

Power consumption 40 W

Photometric Data

Illuminant LED strip technology

Luminous flux (REAL Lumen)* 2950 lm

Colour temperature 5000 K

General Data

Ambient temperature -25 °C to +40 °C

Dimensions (LxWxH) 385 x 160 x 105 mm

IP54



RP72 . 12-24 V model overview

TYPE 12/24 V DC

10 - 35 V DC

Item no.: 1416952120**Power supply:** 5 m, H07RN-F 2 x 1.5 mm²**Plug:** Norm plug 12 A for socket according to DIN EN ISO 4165**Socket:** -

1.85

10 - 35 V DC

Item no.: 1416952121**Power supply:** 5 m, H07RN-F 2 x 1 mm²**Plug:** Universal plug**Socket:** -

TYPE 24 V DC

24 V DC + - 15 %

Item no.: 1416952123**Power supply:** 5 m, H07RN-F 2 x 1.5 mm²**Plug:** CEE 16A/24V DC 10h 2-pol.**Socket:** CEE 16A/24V DC 10h 2-pol. opposite

2.1

TYPE 24 V AC

24 V AC + 15 - 10 %

Item no.: 1416952130**Power supply:** 5 m, H07RN-F 2 x 1.5 mm²**Plug:** CEE 16A/24V AC 2-pol.**Socket:** CEE 16A/24V AC 2-pol. opposite

2.1

TYPE 42 V AC

42 V AC + -15 %

Item no.: 1416952140**Power supply:** 5 m, H07RN-F 2 x 1.5 mm²**Plug:** CEE 16A/42V AC 12h 2-pol.**Socket:** CEE 16A/42V AC 12h 2-pol. opposite

2.1

ALDEBARAN®

HI-LINE LED SERIES



IP65

| TENT LIGHTING WITH HIGH EFFICIENCY

With the ALDEBARAN® HI-LINE LED SERIES you have found the optimal solution for lighting your halls. Large halls, multi-storey car parks and warehouses need plenty of light at all times of the day and night to ensure optimum visibility. With the ALDEBARAN® HI-LINE LED SERIES, this requirement can be implemented optimally and highly efficiently at a ceiling height of up to eight m.

The basic concept is smart and simple: As much light as possible, as little light as necessary. Simple-elegant housing design and the proven SETO quality complete this approach. Thanks to its specially calculated beam characteristics, the **ALDEBARAN® HI-LINE LED SERIE** achieves a better usable light distribution than conventional, round deep emitters in efficient space use.

ADVANTAGES

- // Excellent, glare-free lighting performance
- // Compact replacement for hall downlights
- // Suitable for outdoor and indoor use (IP65)
- // Robust and insensitive aluminum housing
- // Maintenance-free (no need to change lamps)
- // Integrated dimming function

Dense housing cover
with silicone seal



Special thermal offers an excellent heat transfer from the aluminum LED board to the housing and enables stable operation in a wide temperature range

The external driver is mounted on spacers, to prevent unnecessary heat transfer and ensure long life



Mounting set for suspension

The large and unbreakable polycarbonate front screen ensures a perfect light distribution and is impact-resistant according to IK10

The solid aluminum body offers excellent cooling properties and ensures long life time

Available in various sizes



Dense end caps with Silicone seal



Milky PC disk with high transparency



Stable and reliable driver (external)



Incl. accessories for mounting: Robust steel rope (discharge of the line)

Scope of delivery: steel cable & suspension hook

HI-LINE LED 80 W / 120 W



Optimal for hall / tent lighting with IP65

Impact-resistant plastic cover according to IK10, aluminum housing, homogeneous light distribution thanks to polycarbonate disc

Item no.: 1410000887 (80 W, 2.8 kg)

Item no.: 1410000829 (120 W, 4.3 kg)

Electrical Data	HI-LINE 80 W	HI-LINE 120 W
Input voltage	100-240 V AC, 50/60 Hz	
Power consumption	80 W	120 W
Photometric Data		
Illuminant	SMD LED 2835	
Dimming	1-10 V	
Luminous flux (REAL Lumen)*	11000 lm	16600 lm
Colour temperature	6000 K	5000 K
CRI	> 80	
General Data		
Ambient temperature	-30°C to +50°C	
Dimensions (LxWxH)	605 x 135 x 122 mm	905 x 135 x 110 mm



HI-LINE LED 150 W / 200 W



Optimal for hall / tent lighting with IP65

Impact-resistant plastic cover according to IK10, aluminum housing, homogeneous light distribution thanks to polycarbonate disc

Item no.: 1410000830 (150 W, 5.4 kg)

Item no.: 1410000831 (200 W, 6.8 kg)

Electrical Data	HI-LINE 150 W	HI-LINE 200 W
Input voltage	100-240 V AC, 50/60 Hz	
Power consumption	150 W	200 W
Photometric Data		
Illuminant	SMD LED 2835	
Dimming	1-10 V	
Luminous flux (REAL Lumen)*	20700 lm	27800 lm
Colour temperature	5000 K	
CRI	> 80	
General Data		
Ambient temperature	-30°C to +50°C	
Dimensions (LxWxH)	1205 x 135 x 110 mm	1505 x 135 x 110 mm



Product features

DRIVER

The driver is mounted on two spacers that thermally separate it from the housing.

Advantage:

Longer service life

ALUMINUM CASING

The housing of the **HI-LINE LED** is made of special aluminum.

Advantage: Extremely robust material

POLYCARBONATE FRONT SCREEN

The front window of a luminaire is often its weak point - but not with the **HI-LINE LED**, where it is made of special polycarbonate.

Advantage: Impact resistant (IK10), homogeneous light (frosted glass), tightness according IP65

END CAP WITH SILICONE GASKET

The housing cover encloses the aluminum housing with a form-fit and effectively prevents the ingress of dust and water.

Advantage: Waterproof thanks to high protection class



ALDEBARAN®

5000 TUBE LED



| THIS LAMP ALSO LIGHTS WHERE OTHERS
ARE NOT EVEN ALLOWED TO GO

The ALDEBARAN® 5000 TUBE LED has been designed for applications where safe operation in adverse environments is essential.

For example, it is suitable for use in decontamination tents or wet rooms, but also for any other case where high resistance is required. The consistent use of enormously resilient components made of high-performance plastics enables it to provide lasting, safe light even under the most difficult conditions.

ADVANTAGES

- // High degree of protection IP65 (*protected against water jets*)
- // Suitable for decontamination tents
- // Extremely robust construction
- // Very easy to clean
- // Large rubber end caps protect against impact

5000 TUBE LED



Mobile tube illumination, ideal for rough applications

Thanks to integrated socket interlinking is possible, polycarbonate housing, tube (clear) 60 / 3 mm

Supply line: H07BQ-F 3G1.5 mm² (5 m)

Plug / Socket Schuko (opposite):

16 A / 230 V / IP68, IP class: II

Item no.: 1450800127

Electrical Data

Input voltage 230 V AC

Power consumption 22 W

Photometric Data

Illuminant Tube LED 22 W

Luminous flux (REAL Lumen)* 1840 lm

Colour temperature 4000 K bis 4500 K

CRI > 80

General Data

Ambient temperatur -30°C to +40°C

Dimensions (ØxL) 120 x 800 mm



Product features

PUR CABLE

(DEPENDING ON MODEL)

The PUR cable resists the highest loads such as cuts, friction and acids. It is therefore predestined for use in harsh environments.

IMPACT - RESISTANT END CAPS

The end caps made of extremely impact-resistant plastic rubber serve as protection against strong impacts and thus contribute to the enormous robustness of the **5000 TUBE LED**.

IP68 SOCKET

(DEPENDING ON MODEL)

The special IP68 socket allows the waterproof connection of the luminaire, as well as another device on the luminaire itself.

RELIABLE LIGHT

The efficient and durable LED technology in combination with the resilient housing parts guarantee a long product life.



Robust PUR CABLE



Rubber shock protection on both sides



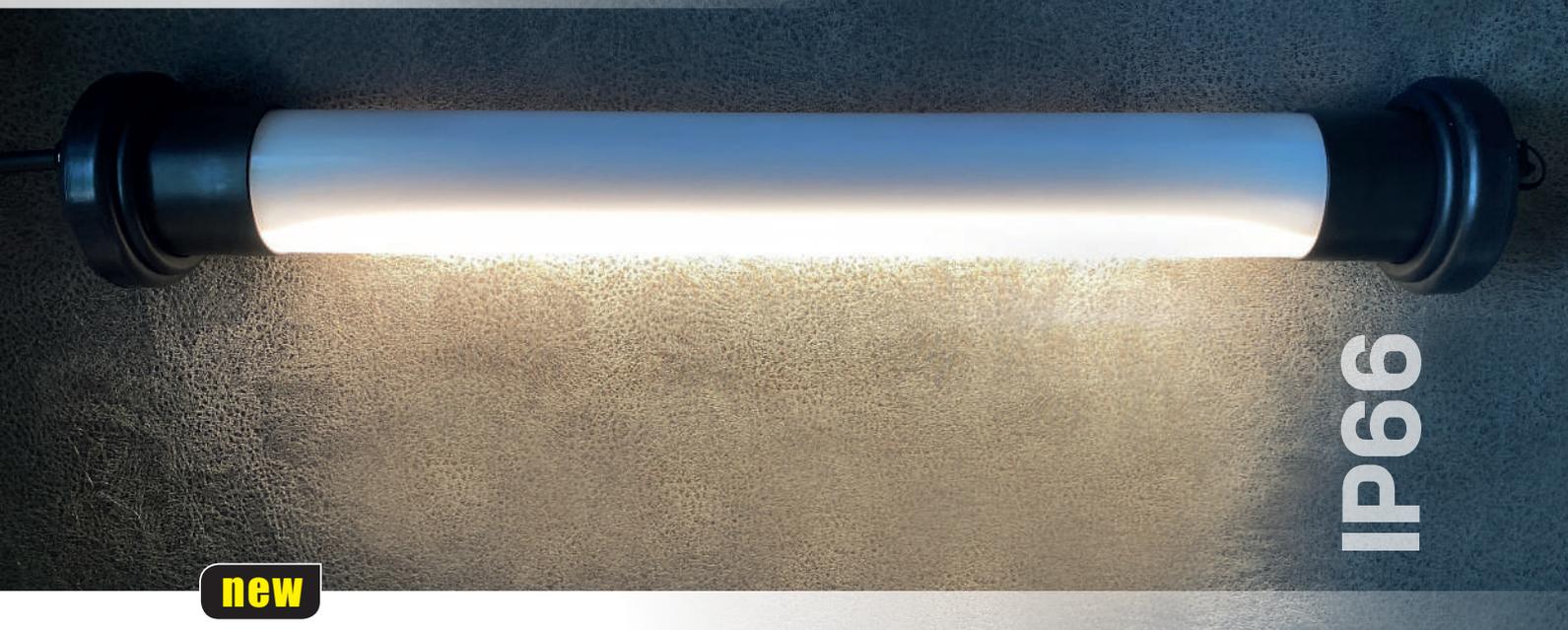
Integrated socket IP68



LED technology

ALDEBARAN®

TUBELIGHT LED SERIES



new

IP66

| THE NEW TUBELIGHT WITH IP66 & IP CLASS II

The **TUBELIGHT LED SERIES** meets the new, high demands on tubular luminaires. With low power consumption, this tubular luminaire offers an impressive light output thanks to the use of state-of-the-art LEDs, which is comparable to modern LED tent luminaires despite the complex encapsulation. **With its protection class II and high density, it also meets increased safety requirements, such as those of mobile wet and decontamination cells.**

A particular advantage is its robust construction, because thanks to the reinforced PC tube with rubberized end buffers, the **TUBELIGHT LED SERIES** can easily absorb shocks and falls. Their design enables a quick assembly, e.g. with belts or clamps. The **TUBELIGHT LED SERIES** can also be configured according to customer requirements, for example with a colour change and/or dimming function.

ADVANTAGES

- // High degree of protection IP66
- // Protection class II
- // Optional with integrated colour change
- // Optional with integrated dimming function
- // Universally applicable
- // Robust construction

TUBELIGHT 5020 LED



Mobile tube luminaire
High degree of protection & protection class II
 Polycarbonate - tube (clear) 60/3 mm, thanks to
 integrated wiring a link is possible

Item no.: 1450500101

Electrical Data	
Input voltage	220-240 V AC
Power consumption	20 W
Photometric Data	
Illuminant	LED technology
Luminous flux (REAL Lumen)*	2050 lm
Colour temperature	4000 K
CRI	> 80
General Data	
Ambient temperature	-35°C to +50°C
Dimensions (ØxL)	90 x 560 mm



TUBELIGHT 5040 LED



Mobile tube luminaire
High degree of protection & protection class II
 Polycarbonate - tube (clear) 60/3 mm, thanks to
 integrated wiring a link is possible

Item no.: 1450500201

Electrical Data	
Input voltage	220-240 V AC
Power consumption	35 W
Photometric Data	
Illuminant	LED technology
Luminous flux (REAL Lumen)*	3900 lm
Colour temperature	4000 K
CRI	> 80
General Data	
Ambient temperature	-35°C to +50°C
Dimensions (ØxL)	90 x 945 mm



Optional in multicoloured variations possible, e.g. switchable to (white / red or white / green). Also with integrated dimming function available.



End caps with rubber sleeves to absorb shocks



Optional: integrated dimming function



Optional: multicoloured (f.ex. red, white)

Optional accessories: fastening clip, fastening straps



Head & Hand Illumination

96-119

MICA IL640 LED . IL6400 LED . ML601 LED	96 - 97
TRAIN DRIVER LIGHT ML200 LED DB	98 - 99
MICA IL800 LED ATEX	100 - 101
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SETO MINITUBE LED	118 - 119

MICA

IL & ML

LED SERIES



| IL640 . SPECIALLY DEVELOPED FOR EXTREME USE

The housing has been specially designed for long-term extreme loads. The hardened 5mm glass lens is almost indestructible and insensitive to scratches and many chemicals. **The MICA® IL640 LED emits a bright, narrow beam of light and scattered light for better orientation, for optimum visibility.** With an additional high-performance CREE LED, the **MICA® IL640 LED** delivers the same outstanding battery life as its predecessor with three LEDs. Thanks to the ergonomic dual-mode switch, you can choose between long service life or extreme light output. When the battery status is low, the luminaire starts flashing at 15 second intervals. The **MICA® IL640 LED** is compatible with the MICA ILC4 charger, which can charge an empty **MICA® IL640 LED** even at +40°C.

ADVANTAGES

- // Rechargeable
- // Robust & shock-proof
- // Dust and waterproof IP67
- // NiMH battery (environment friendly)
- // TÜV-certified

| ML601 . WITH ADDITIONAL SIGNALLING FUNCTION

The **MICA ML601 LED** is a special version because it is additionally equipped with 2 x 6 red LEDs. As a result, this hand lamp can also be used as a signal lamp. Their case is made of high-quality, impact-resistant nylon and the lens is made of hardened glass. This mechanically and technically high-quality battery-powered LED hand-held lamp is characterized, among other things, by its user-friendliness and longevity even in daily use. The luminaire has an emergency light function (*the lamp is plugged into the charger and lights up in case of power failure*). In addition, the user is informed about the available (*rest*) energy by means of a capacity display. In addition, we use a NiMH (*nickel-metal-hydrite*) battery, which is currently considered an environmentally friendly variant. Another advantage of NiMH batteries is that a higher capacity is achieved at the same size; a memory effect is avoided.

ADVANTAGES

- // Can also be used as signal luminaire
- // Rechargeable
- // Dust and waterproof IP67
- // NiMH battery (environment friendly)
- // TÜV-certified

IL640
LED



**Rechargeable IP67
handlamp**

2 power modes (*high / low*)
dust- & waterproof,
robust & impact-resistant,
with glass lens or diffuser

Item no.: 40__ 113422 (with glass lens)
Item no.: 40__ 113421 (with diffuser)

Photometric Data

Illuminant	4 x CREE LED
Luminous flux (REAL Lumen)*	High Power: 600 lm Low Power: 160 lm

General Data

Operating time	High Power: 6 h Low Power: 12 h
Battery	NiMH 6V
Ambient temperature	-20 °C to +40 °C
Dimensions (LxWxH)	215 x 120 x 125 mm



IL6400
LED



**Rechargeable IP67
handlamp with boost mode**

3 power modes (*high / low / boost*)
dust- & waterproof, robust &
impact-resistant, with glass lens,
aluminum clamping ring for
improved cooling

Item no.: 40__ 113423 (with glass lens)

Photometric Data

Illuminant	4 x CREE LED
Luminous flux (REAL Lumen)*	High Power: 770 lm Low Power: 150 lm Boost mode: 1700 lm

General Data

Operating time	High Power: 6 h Low Power: 12 h Flash mode: 12 h
Battery	NiMH 6V
Ambient temperature	-20 °C to +40 °C
Dimensions (LxWxH)	215 x 120 x 125 mm



ML601
LED



**Rechargeable
handlamp with signalling**

2 power modes (*white working &
red signal light*), impact-resistant
nylon housing, aluminum reflector,
lens (*hardened glass 41.5 x 3 mm*)

Item no.: 40__ 114471

Photometric Data

Illuminant	1 W LED, 2 x 6 red (signal-) LED
Luminous flux (REAL Lumen)*	40.5 lm

General Data

Operating time	6 h
Battery	NiMH 6V
Ambient temperature	-20 °C to +45 °C
Dimensions (LxWxH)	215 x 64 x 55 mm



Optional: ILC 4 charger (p. 137)



Optional: charging power supply for IL & ML SERIES (p. 137)



Optional: quick charger MLC
(p. 137)

TRAIN DRIVER LIGHT ML200 LED DB



COMPACT LAMP FOR LARGE-AREA ILLUMINATION & SIGNALLING

The train driver light with rechargeable or normal battery operation ensures a bright, homogeneous and large-scale illumination, which is similar to daylight. The light ensures optimal colour reproduction to perform all safety-related inspections around the locomotive.

The ON / OFF switch is designed so that the lamp cannot be switched on accidentally. The red light to protect unrestricted railway crossings can only be activated after the white light has been switched on, so that an unconscious error signalling is not possible. The **TRAIN DRIVER LIGHT ML200 LED DB** can be operated with both normal and rechargeable battery. To read the capacity correctly, you can select the battery or rechargeable battery mode with the white switch.

ADVANTAGES

- // No light bulb change required
- // Can be used as a signal lamp
- // Optimized electronics for longer readiness
- // Integrated capacity indicator
- // Can be used with batteries & with accumulator
- // Indentations for a secure hold, even with gloves

ML200
LED DB



Locomotive light with red light for signalling
2 light modes (white working light & red signal light), switchable for normal or rechargeable battery operation, integrated capacity indicator

Item no.: 30__000021

Photometric Data	
Illuminant	1 W LED (white), 1 W LED (red)
Luminous flux (REAL Lumen)*	75 lm (white)
General Data	
Batteries	6 x 1.2 V / 6 x 1.5 V AA
Ambient temperature	-15 °C to +60 °C
Dimensions (LxWxH)	120 x 70 x 40 mm



Rubberised pressure switch



Metal spring clip



Switchable to red signal light



Capacity display and switches for normal or rechargeable battery operation

¹ The scope of delivery does not include batteries

MICA

IL800

LED ATEX



IP67

| IDEAL FOR EXPLOSION PROTECTION CERTIFIED ZONES

The MICA® IL800 LED ATEX features powerful electronics, versatile functions and an extremely robust construction, ideal for hazardous areas.

The life of lamps is about 50000 hours, which almost eliminates a lamp charge. The impact-resistant housing is made of an antistatic plastic and is dust- and waterproof (IP67). The lens is made of a 5 mm thick, specially hardened glass. The hand lamp has unprecedented electronics, versatile functions and an extremely robust construction. State-of-the-art electronics protect the battery against deep discharge and warns with low battery capacity. This is done by illuminating the light beam when only a residual capacity for approx. 20 minutes is available. Zone 0 and Zone 1 are also available with emergency lighting or flashing function. The **MICA® IL800 LED ATEX** is compatible with the ILC charger and is fully charged and ready for action after five hours.

ADVANTAGES

- // For use in protected areas
- // Rechargeable
- // Dust and waterproof
- // Also available with emergency light function
- // TÜV-certified

IL800 LED ATEX



Hand luminaire for hazardous areas 3 light modes (*high / low / blink*)

For ATEX-certified zones,
rechargeable, **optionally** with
flashing & emergency light
function

ZONE 0 - (0,1,2 / 21,22)

Item no.: 40_117501

Item no.: 40_117502 (*emergency*)

ZONE 1 - (1,2 / 21,22)

Item no.: 40_117511

Item no.: 40_117512 (*emergency*)

Item no.: 40_117513 (*flashing function*)

Photometric Data	Zone 0	Zone 1
Illuminant	High Power CREE LED	
Luminous flux (REAL Lumen)*	High Power: 200 lm, Low Power: 80 lm	
General Data		
Operating time	High Power: 6 h Low Power: 12 h	High Power: 6 h Low Power: 12 h Flash mode: 12 h
Battery	NiMH 6V	
Charging time	5.5 h	
Ambient temperature	-20 °C to +40 °C	
Dimensions (LxWxH)	121 x 121 x 216 mm	



Ex 0,1,2 (*gas*) / 21, 22 (*dust*)

Lens consists of 5 mm
**strong, special
tempered glass**
(108 x 5 mm)

High Power LEDs with
double light output



Impact-resistant housings
made of antistatic polypropylene,
dustproof and waterproof IP67



Robust housing (Polypropylene)



Rubberised pressure switches



Optional: charger (p. 137)



Optional: power supply (p. 137)

MICA

ML808

LED ATEX



| FOR USE IN EX-PROTECTED AREAS

The use in Ex protected zones 1, 2 (gas) as well as 21 and 22 (dust) / (classifications G and D) is now a lightweight pleasure with 100+ lumens (only 0.4 kg).

Recognizable by the black housing, the **MICA® ML808 LED ATEX** fully demonstrates its technical advantages such as the new high-performance LED with double light output and the electronic control with two different power modes.

The new ATEX LED hand-held light **MICA® ML808 LED ATEX** is backwards compatible with existing MLC chargers. As an EM version, it also offers an emergency lighting function.

ADVANTAGES

- // For use in protected areas
- // Rechargeable in less than three hours
- // Dust and waterproof
- // Also available with emergency light function
- // TÜV-certified

ML808 LED ATEX



Hand lamp for explosion - endangered areas

2 light modes (*high / low*)

For ATEX-certified zones, rechargeable, depth discharge protection, display for battery capacity & hand strap

ZONE 1 - (1,2 / 21,22)

Item no.: 40_114808

Item no.: 40_114808EM (emergency)

Photometric Data

Illuminant	High Power CREE LED
Luminous flux (REAL Lumen)*	High Power: 100 lm Low Power: 25 lm
General Data	
Operating time	High Power: 4.5 h Low Power: 15 h
Battery	NiMH 6 V
Charging time	2.5 h
Ambient temperature	-20 °C to +40 °C
Dimensions (LxWxH)	120 x 63 x 54 mm



0,1, 2 (gas) / 21, 22 (dust)

Impact-resistant, antistatic housing
made of polypropylene + aluminum

Lens consists of tempered glass (41.5 x 3 mm)
and is almost indestructible

Integrated Hand strap



Capacity indicator

Compact, equipped with integrated **clip holder**



Integrated clip holder



Optional: power supply (p. 139)



Optional: quick charger MLC (p. 139)



Integrated capacity indicator displays the current charging state

SETO CLIPLIGHT ONE



| ULTRALIGHT & BRIGHT

Spring lightness and laser brightness – Due to its outstanding tactical properties, the SETO CLIPLIGHT ONE becomes a valuable companion for any application.

During action every gram counts that does not have to be carried. The **SETO CLIPLIGHT ONE** replaces flashlights - as well as headlamps and thus saves not only weight, but also equipment to be carried. The robust housing made of lightweight high-performance plastic in combination with the lithium-ion battery technology ensures extremely low weight with long light availability.

The different light outputs to the front or down make it possible to use it as a headlamp, as a hand pocket lamp or even as a small surface lamp. If less light output is required, the **SETO CLIPLIGHT ONE** can also be dimmed simply by holding down the on button. For fastening, the lamp is simply plugged in at any place with a swivel clip and is securely held by its low weight. Thanks to its compact dimensions, it fits comfortably into any operating equipment.

ADVANTAGES

- // Very low weight, only 30 g
- // Three different light modes
- // Supplied red filter
- // Integrated dimming and SOS function
- // Versatile application possibilities, can be used as hand and headlamp

CLIPLIGHT ONE



Versatile tactical headlight
Different light modes (*low / high / SOS*)
 Spot, diffused & floodlight, dimming function, swivelable clip for fastening, red light filter + USB cable

Item no.: 142400033

Electrical Data	
Input voltage	USB 5 V, 1 A
Photometric Data	
Illuminant	LED technology
Luminous flux (REAL Lumen)*	230 lm
Colour temperature	cold white
General Data	
Battery	Li-Polymer, 3.7 V, 650 mAh
Charging time	1.5 h
Dimensions (LxWxH)	38.6 x 63.6 x 24.3 mm



	min.		max.	
Luminous flux	16 lm	230 lm	16 lm	230 lm
Operating time	16 h	2 h	16 h	2 h
Luminous range	3 m	50 m	-	-



Diffused light (for uniform illumination)



Secure fastening thanks to swivel clip



Including colour filter in red



Optional: USB charger (5 V, 1.5 A, 100-240 V AC)

Scope of delivery: USB cable, carabiner, red filter

Battery - Level - Display

When the lamp is charged, the charging status indicator blinks and displays the battery status in three steps.

- ● ● **100 %** (Fully charged, no flickering)
- ● ● **66 % - 99 %** (flicker)
- ● **33 % - 66 %** (flicker)
- **0 % - 33 %** (flicker)

Various lighting modes



Focused light for remote areas
wide distance, narrow



Red filter on the front:
short distance, wide



Scattered front light for close areas:
short distance, wide



Area light at the top:
short distance, wide

Additional SOS function

Once activated, the luminaire flashes permanently at full power in the international SOS rhythm.

Additional with supplied red light filter

By plugging in the red filter, the luminaire can easily and quickly generate red light.





SETO

HEADLIGHT PROFESSIONAL SIGNAL SERIES RED



new

| HARD SHELL - BRIGHT CORE

Hard shell, bright core – this is how the SETO HEADLIGHT PROFESSIONAL SIGNAL SERIES RED can be summarised.

SETO HEADLIGHT PROFESSIONAL SERIES headlights have been designed as a powerful partner for use in difficult conditions. The ultra-powerful LED of the latest CREE generation is securely encapsulated in an aluminium die-cast housing, which is effectively protected against impacts by a plastic frame. **The luminaire has different brightness levels and light functions. Always integrated is the steplessly adjustable focus of the LED.** A LiPO battery ensures an above-average illumination time. Despite their robustness and high functionality, the **SETO HEADLIGHT PROFESSIONAL** headlights with less than 120 g are pleasantly light companions.

ADVANTAGES

- // **Focusable lens with rotary ring** (*spot & floodlight*)
- // **Three different light modes** (*High, low, red signal light*)
- // **Hand-free work**
- // **Adjustable headband**
- // **Compact and lightweight housing**
- // **Rechargeable**

HEADLIGHT
PROFESSIONAL
SIGNAL SERIES
RED



Adjustable Headlight
3 light modes
(high, low, red signal light)
Spot & floodlight, adjustable angle
(135°, of which 45° in 7 steps),
Micro-USB, integrated headband + clips

Photometric Data	
Illuminant	CREE XPG 2
Luminous flux (REAL Lumen)*	High Power: 250 lm Low Power: 90 lm Adding LEDs (red): 2 x 5 lm
Colour temperature	5500 K
General Data	
Battery	LiPO 3.7 V / 1500 mAh
Charging time	4 - 5 h
Dimensions (LxWxH)	70.5 x 5.4 x 42.5 mm



Item no.: 1424000201

Light mode

Main light front:
LOW / HIGH (white)



Signal light: (red)
Capacity indicator: (blue)



Signal light



Capacity indicator



Including fastening clips



Safer fastening thanks to integrated headband

Scope of delivery: headband, USB cable, mounting clips

CONDUCTOR LIGHT CLED SERIES



| INTEGRATED MULTI-COLOR CHIP FOR OPTIMAL SIGNALLING

The conductor light is equipped with a multi-colour chip for easy signalling.

The required colour can be conveniently adjusted via the selection rotary wheel on the front of the luminaire head and switched on and off with the switch integrated in the cap. The luminaire has both a wrist strap and a belt clip. The anodised aluminium housing is robust and shock-resistant.

ADVANTAGES

- // Multi-colour LED for signalling
- // With up to 3 (+ white) different light colours available
- // Easy control of the individual light colours
- // Cost-effective and easy reloading by AAA batteries

2CLELED
3CLELED
4CLELED

**Hand lamp with multi-colour chip
Signalling with
Multi-Colour-LED**

(white / red / green / blue)
anodized aluminum housing,
Integrated hand strap + belt clip



Item no.: 78_008502 (2CLELED, W/R)
Item no.: 78_008503 (3CLELED, W/R/G)
Item no.: 78_008500 (4CLELED, W/R/G/B)

Electrical Data			
Power consumption	3 W		
Photometric Data			
Illuminant	2-coloured LED Chip	3-coloured LED Chip	4-coloured LED Chip
Luminous flux (REAL Lumen)*	White: 145 lm Red: 85 lm	White: 145 lm Red: 85 lm Green: 110 lm	White: 145 lm Red: 85 lm Green: 110 lm Blue: 30 lm
Lighting duration	2.5 h		
Colour temperature	6000 K (white)		
Beam angle	< 10°		
General Data			
Batteries	3 x AAA Alkaline 1.5V		
Dimensions (ØxL)	35 x 126 mm		



LIGHT FUNCTIONS:

- • White / Red
- • • White / Red / Green
- • • • White / Red / Green / Blue

Selection rotary wheel

for colour selection on the front of the luminaire head

Pressure switch for switching ON / OFF

Belt clip

serves at the same time as roll protection

Hand strap



Rubberised pressure switch



Colour selection rotary wheel



Incl. nylon belt bag



Battery box

Scope of delivery: 3 x AAA batteries, belt clip and bag, carrying strap

SETO

FLASHLIGHT

FC LED & FC-R LED



| FC . FULL FOCUSABLE
HAND LAMP (*Battery operation*)

The fully focusable FC is a practical all-rounder and convinces with many special functions as well as extreme longevity.

With a weight of only 147 g (*incl. batteries*), this focusable flashlight ranks among the lightweight representatives of its kind. In addition, it has all the latest technology on board you can expect from a flashlight these days. Various light functions, e.g. dimmed light for work in the immediate vicinity or the flashing function, which marks its position for many hours in emergency situations, can be easily accessed via the high-quality and non-slip rubberized button switch.

| FC-R . MULTIFUNCTIONAL
LIGHT GENERATOR (*Battery mode*)

The proven, single-handed focusing system of this flashlight allows a customized use of the generated light cone suitable for the respective application.

Recharging the **FC-R** is just like charging your smartphone. The standardized USB-C charging port allows charging to almost any conventional USB charger. The SETO IQ-Charge technology shows you at an early stage when the product should be charged, and also signals the end of the charging process via an integrated control display. The heart of the light power plant is operated by temperature-resistant lithium-ion technology, which effectively counteracts the memory effect during irregular charging cycles.

ADVANTAGES

- // Comfortable one-hand focusing system
- // Various light functions (*high / low*), integrated flashing and SOS function

ADVANTAGES

- // Comfortable one-hand focusing system
- // Quickly rechargeable thanks to modern Li-ion technology
- // Standardized USB-C port for charging
- // SETO IQ-Charge System signals battery status

FLASHLIGHT FC LED



**One-handed fully focusable
hand lamp with batteries**
4 different light modes
(high, low, blink, SOS)
Integrated hand strap + belt clip

Item no.: 78__0G619C

Photometric Data	
Illuminant	CREE High Power LED Chip
Luminous flux (REAL Lumen)*	320 lm
Operating time	High Power: 3 h Low Power: 12 h*
General Data	
Batteries	3 x AAA Alkaline
Dimensions (ØxL)	34 x 136.5 mm



*Average duration of continuous operation up to a luminous flux of 3 lm

FLASHLIGHT FC-R LED



**One-handed fully focusable
hand lamp with Li-ion battery**
2 different light modes *(high, low)*
Rechargeable, USB-C port, SETO IQ charging
system signals battery status,
integrated hand strap + belt clip

Item no.: 78__0G620C

Photometric Data	
Illuminant	CREE XPG3 S3
Luminous flux (REAL Lumen)*	380 lm
Operating time	High Power: 4 h Low Power: 35 h
General Data	
Battery	1 x Li-ion 3.7 V
Dimensions (ØxL)	34 x 163.7 mm



One-hand focusing system

Both variants of the **FC SERIES** have a simple selection of the individual light functions, thanks to a single-handed focusing system, from homogeneous area light (*wide areas*) to extensive, bundled search light (*punctual, strong high beam*)



USB-C charging
(only model FC-R)



Rubberised push-button switch



Incl. nylon belt bag



battery compartment

Scope of delivery (FC LED): 3 x AAA batteries, belt clip, belt bag, carrying strap / (FC-R LED): Lithium ion battery, belt bag, carrying strap

SIGNAL LIGHT

EUROLITE I & EUROLITE II LED



| EUROLITE II LED . GUARANTEED UP TO 30 HOURS GLARE-FREE WORKING LIGHT

The rechargeable SIGNAL LIGHT EUROLITE II LED provides excellent working light with long luminosity and longevity thanks to advanced LED technology.

The integrated emergency light function makes it possible to use it as a warning light. In case of power failure, the luminaire switches automatically to the emergency light function. The robust and powerful working light is equipped with three Watts LED and has three brightness levels, as well as a swivel head to illuminate the working area according to demand.

ADVANTAGES

- // Various brightness levels
- // 105° swivelling luminaire head
- // Switchable flashing & emergency lighting function
- // Warning light for protection
- // Robust housing, splash-proof

EUROLITE II LED



Rechargeable Signal light with battery 3 brightness levels

Flash & emergency light function,
105° swivel luminaire head,
charging control display,
unloading & overload protection

Photometric Data

Illuminant	3 W
Luminous flux (REAL Lumen)*	300 lm

General Data

Operating time	High power: 20 h Low power: 35 h
Battery	Lead-gel battery, 6 V, 4500 mAh, maintenance-free
Charging adapter	Plug in power supply (100 - 240 V AC, 50/60 Hz) car charger (12 V DC)
Charging time	14 h
Dimensions (LxWxH)	287 x 127 x 120 mm



Item no.: 38__316000



Comprehensive load control
display



User-friendly one-hand operation



3 brightness levels
(100 % / 70 % / 0 %)



Comprehensive accessories (incl.)
wall mounting, scattering disc,
Power supply, car adapter

Included in delivery: wall mount, 230 V plug-in power supply, 12 V-car adapter, scattering lens

SETO

LED INSPECTION LIGHT 2.0



new

| VERSATILE HAND LAMP WITH EMERGENCY LIGHTFUNCTION

With the rechargeable SETO LED INSPECTION LIGHTS 2.0, you have an extremely robust and versatile lighting tool.

The high-power LED used on the front side with up to 1000 lumens in the brightest setting provides large-area, bright illumination that is gentle on the eyes. An additional LED on the front side allows working in confined spaces, even if the luminaire cannot be held upright. A fold-out stand, the extendable suspension hook and integrated magnets allow hands-free working in all situations. State-of-the-art lithium-ion technology enables a very long service life and at the same time pleasantly light weight. Charging is conveniently done via a plug-in power supply unit or Micro-USB.

ADVANTAGES

- // **Rechargeable**
- // **Two light sources** (*head & front light*)
- // **Brightness (1000 lm) & eye-saving illumination**
- // **Li-ion technology**
- // **Magnetic & hanging hooks for different fastening possibilities**
- // **Various charging options** (*via plug-in power supply or micro-USB*)

LED INSPECTION LIGHT 2.0



Hand lamp with emergency light

2 light sources (head & front light)
Dimming function, rechargeable,
capacity display, protection class III,
Micro-USB connection, integrated
charging station + USB cable

Photometric Data

Illuminant	LED technology
Luminous flux (100%)	200 lm (head) 1000 lm (front light)
Lighting duration (head)	100% = 10 h
Lighting duration (front light)	100% = 3 h

General Data

Battery	Li-ion, 3.7 V / 5000 mAh
Charging time	6 h
Ambient temperature	-10 °C to +45 °C
Dimensions (LxWxH)	215 x 55 x 35 mm

Item no: 30_004025



Magnet foot, adjustable in different positions



Micro-USB charging Connection & Capacity Display



Plastic hooks for hanging



Optional: car & USB charging plug (p. 138)

Scope of delivery: charging cradle, integr. magnets, suspension hook, USB cable

SETO MINITUBE LED



IP65

new

| MOBILE HAND LAMP WITH UP TO SEVEN LIGHT FUNCTIONS

The SETO MINITUBE LED is the newest member of the family of portable handlights from SETOLITE.

Despite its compact design, it has a large arsenal of functions and uses only three watt power consumption with up to 300 lumen of light output. The **SETO MINITUBE LED** has two built-in magnets, so it can be conveniently placed on metallic surfaces.

Two included belts, which can be attached to the ends of the **SETO MINITUBE LED**, offer additional mounting options. A total of seven light modes ensure the right lighting in every situation.

ADVANTAGES

- // Rechargeable
- // Two light sources (*spot & floodlight*)
- // Up to seven different light modes available
- // Low weight with only 168 g
- // Li-ion technology
- // Various mounting options
(*thanks to hand straps, belts & magnets*)
- // Can be used as a powerbank

MINITUBE LED



**Portable battery-powered
handlamp & powerbank**
4 spotlight modes (*low, high, blinc, SOS*)
Diffused light mode (*3 brightness-levels*)
 Rechargeable, USB port,
 integrated powerbank + USB cable

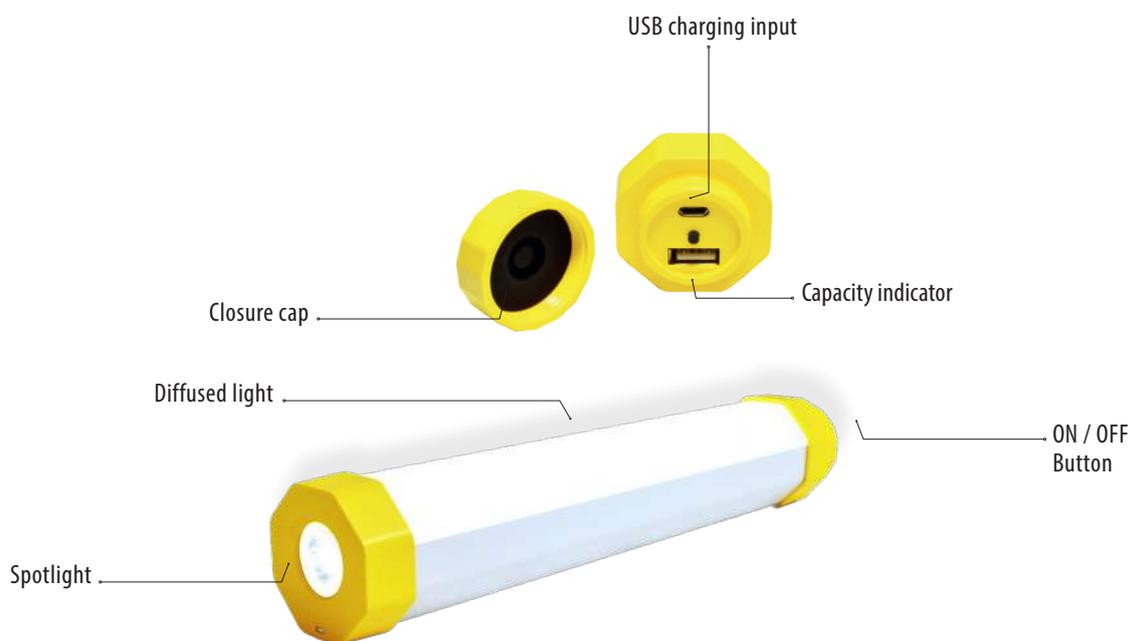
Item no.: 1424000210

Photometric Data

Illuminant	LED technology
Luminous flux (REAL Lumen)*	300 lm
Colour temperature	6000 K

General Data

Battery	Li-ion, 3.7 V / 2500 mAh
Charging time	4 h
Operating time	100 % = 5 h 50 % = 10 h 10 % = 50 h
Ambient temperature	0 °C bis 40 °C
Dimension (L x Ø)	236 x 40 mm



Simple selection of the functions,
thanks to rubberized ON / Off switch



Spotlight (4 light modes functions)



Additionally with hand strap



Integrated magnets for easy
mounting on metallic surfaces

Scope of delivery: Attachment belts, magnets, hand strap, USB cable



Distributors & Extensions



122-123

DISTRIBUTOR E-BOX 16A / 3-6
DISTRIBUTOR E-BOX 32A / 1-2-6
CABLE REEL K-AS21 / K-AS11
EXTENSION SCHUKO 5 m / 10 m

122 - 123
122 - 123
122 - 123
122 - 123

MOBILE DISTRIBUTORS & EXTENSIONS



| MOBILE POWER DISTRIBUTORS, CABLE DRUMS & EXTENSIONS FOR CONSTRUCTION SITE USE

These compact, robust and stackable distributors are used to supply mostly hand-guided electrical tools.

The energy distributors consist of a sturdy, shock-resistant plastic housing in RAL 2000 yellow-orange and are splash-proof. The distributors are very light and handy, but at the same time resistant to weathering and ageing. Up to three distributors can be stacked easily without tools, which means that you can work in a space-saving manner even in confined spaces.



ADVANTAGES

- // Portable, easy and handy to transport
- // Weight savings of 20 % compared to conventional rubber distributors
- // Resistant to weather and ageing
- // Shock-resistant, stable plastic housing (p. 138)
- // Fully insulated
- // IP44 splash-proof, protection class II

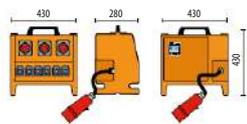
E-BOX 16A/3-6



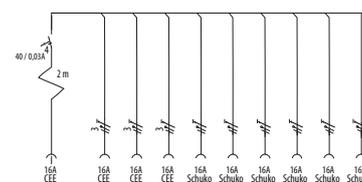
Mobile power distributor, connection line 11 kVA

Equipped with:

3 CEE cans 16 A 5-pole 400 V, 6 x Schuko sockets 16 A 250 V



Item no.: 1410003420



Infeed	FI	LSS
1 CEE plug 16 A 5-pole 400 V	1 FI 40/0.03 A	-

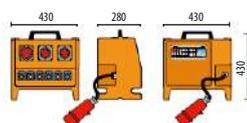
E-BOX 32A/1-2-6



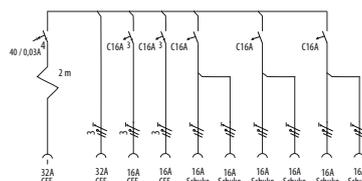
Mobile power distributor, connection line 22 kVA

Equipped with:

2 CEE cans 16 A 5-pole 400 V, 1 CEE can 32 A 5-pole 400 V,
6 x Schuko sockets 16 A 250 V



Item no.: 1410003421



Infeed	FI	LSS
1 CEE plug 32 A 5-pole 400 V	1 FI 40/0.03 A	2 LSS 16 A 3p-C 3 LSS 16 A 1p-C

K-AS21 / K-AS11



For rough outdoor use

Equipped with:

3 x Schuko sockets 16 A 3-pole 230 V with folding lid, thermal protection, double tube frame with handle, star grip brake + cable guide

Item no.: 1425000072 (Ø = 320mm, K-AS 21, 7.6 kg)

Item no.: 1425000071 (Ø = 285mm, K-AS 11, 5.8 kg)



Supply line	Cable length
H07BQ-F 3G2.5 (K-AS 21)	40 m
H07BQ-F 3G1.5 (K-AS 11)	40 m

SCHUKO 5 m



Extension 3-fold coupling, 5 m

With protective contact plug 16 A 3-pin 230 V, made of rubber + 2-fold grounding system with protection contact coupling 16 A, 3-pin 230 V, made of rubber, 3-way coupling with folding lid

Item no.: 1432000001



Cable type	Cable length
H07BQ-F 3G2.5	5 m

SCHUKO 10 m



Extension, 10 m

With protective contact coupling 16 A 3-pole 230 V, made of rubber with lid

Item no.: 1432000002



Cable type	Cable length
H07BQ-F 3G1.5	10 m



Tripod & Mast systems



126-129

GRP CONSTRUCTION SITE TRIPOD	127
CONSTRUCTION SITE EXTENSION ROD STAND	127
SETO TELESCOPE CONSTRUCTION SITE TRIPOD	129
COMPACT TRIPOD	129
TELESCOPE TRIPOD STAND	129
ELEVATOR TRIPOD MF 3-LEGGED	129

TRIPODS & MAST SYSTEMS



new

| OUR TRIPODS & MASTS BRING YOUR LIGHTING EQUIPMENT TO THE TOP

Different requirements can be met by tailor-made systems.

Different in design but always suitable for your application, the tripod solutions from SETOLITE offer you an excellent stand.

Robust workmanship, easy operation and the possibility to install a wide range of equipment via the standardized DIN bolt make our systems reliable partners for your application.

ADVANTAGES

- // Safe and comfortable operation
- // Quick assembly and dismantling, easy handling
- // Robust & high stability
- // Suitable for mobile and stationary use



GRP CONSTRUCTION SITE TRIPOD

Own product of SETOLITE

Highly robust & ultra light

Glass fibre reinforced plastic (FRP)

Clamp protection (*integrated distance holder*) + pull-out protection (*push bars cannot fall out*), spirit level & adjustable tripod leg for exact vertical alignment

PRO (3 SEGMENTS)

Height max.: 4.6 m

Weight: 17 kg

Item no.: 1410000339

COMPACT (2 SEGMENTS)

Height max.: 3.1 m

Weight: 14.6 kg

Item no.: 1410000338



Optional:
DIN mast bolt
p. 139



CONSTRUCTION SITE EXTENSION ROD STAND

Stable installation in the construction site area

mobile mounting device made of stable aluminum – base with aluminum safety bracket, highest stability by mounting with K1 base plates (*not included*), incl. integrated DIN bolt, **fastening:** steel wing nut

MODEL 1 (3 SEGMENTS)

Height max.: 4.3 m

Weight: 32 kg, **Payload:** 20 kg

Item no.: 1410000340

MODEL 2 (3 SEGMENTS)

Height max.: 5.5 m

Weight: 35 kg, **Payload:** 20 kg

Item no.: 1410000341



Optional:
footplate K1 for
weighting, p. 139



Components: **A.** Bolts 30 mm according to DIN 14640 **B.** Push rod, tubes 60 x 60 - 40 x 40 mm **C.** Safety bracket for fixing the base plates **D.** Aluminum base for push rod tripod 900 x 800 x 1000 mm, holder for right-hand tube 60 x 60 mm, stability class up to K8 (according to TL97), for up to 10 base plates K1

ACCESSORIES: Foot plate K1, 800 x 400 x 100 mm, 28 kg, **Item no.:** 1410000333





SETO TELESCOPE CONSTRUCTION SITE TRIPOD

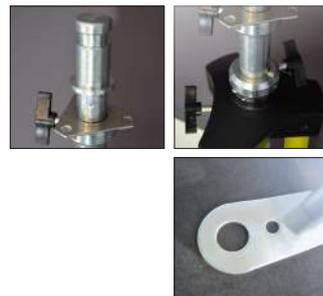
Air damping construction site

Height adjustment via push rod extension & clamping ring screw connection, adjustable feet with feed-through for ground nails, powder-coated tripod legs

incl. integrated DIN pin + guy set

Height max.: 3.85 m, **weight:** 13 kg, **payload:** 20 kg

Item no.: 1410000345



COMPACT TRIPOD

Air-damped tripod

Height adjustment via push rod extension & clamping ring screw connection, adjustable feet with steel tips, powder-coated tripod legs

incl. integrated DIN pin + guy set

Height max.: 4.58 m, **weight:** 13.3 kg, **payload:** 25 kg

Item no.: 1410000323



TELESCOPE TRIPOD STAND

Air-damped tripod made of stainless steel

Height adjustment via push rod extension & clamping ring screw connection, adjustable feet with steel tips

incl. integrated DIN pin + guy set

Height max.: 4.75 m, **weight:** 15.4 kg, **payload:** 25 kg

Item no.: 1410000329



ELEVATOR TRIPOD MF 3-LEGGED

High quality tripod with crank

Safe stand on uneven terrain through adjustable tripod legs, easy operation by crank

incl. guy set

Height max.: 3.70 m, **weight:** 21.4 kg, **payload:** 30 kg

Item no.: 141000031



Optional:
DIN mast bolt
(p. 139)

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



ALDEBARAN 360 GRAD FLEX-C 2.0

TRANSPORT BOX (*Large*)

Dimensions (LxWxH): 834 x 384 x 314 mm

| *Item no.:* (960 / 360 IP65) 1410000650 |

TRANSPORT BOX (*Small*)

Dimensions (LxWxH): 725 x 300 x 313 mm

| *Item no.:* (600 COMPACT) 1410000656 |



ALDEBARAN® 360 GRAD FLEX

LIGHT DIRECTION MODULES (960 / 360 IP65)

(*SET consists of 4 modules for one luminaire*)

| *Item no.:* 1410001468-SET (set of 4) |

LIGHT DIRECTION MODULES (960 / 360 IP65)

| *Item no.:* 1410001468 (1 module) |



ALDEBARAN® 360 GRAD FLEX-C 2.0 / ALDEBARAN® XLD-2C / XLD-C COMPACT

HANGING SET

suitable for mounting on ceilings, eyelets, cranes & rotating ladders, steel chain, 3 x carabiner

| *Item no.:* 1410926021 |



ALDEBARAN® 360 GRAD FLEX-C 2.0

Power supply DIM (*with Switchbox + Dimming function*) / Length: 10 m

| *Item no.:* 1410927050-D |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



ULTRA FLEX SERVICE PACKAGE

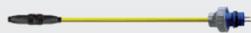
With the purchase, you acquire on the one hand a warranty extended to a total of three years, on the other hand an optimal protection for your product and its usability within this time:

Your luminaire is damaged? No problem, we immediately order the collection of your **ALDEBARAN® 360 GRAD FLEX-C 2.0** luminaire and send you an equivalent replacement product for the duration of the repair. It does not matter whether your luminaire has been damaged by outside influences** whether there is a technical defect, or whether the damage has accidentally happened to you. Regardless of the cause of the damage, you will immediately receive a replacement product from us for the duration of the repair. In addition, we take care of all shipping costs***

| Item no.: **GDRFLEXP1 (960)** |

| Item no.: **GDRFLEXP21 (360 IP65 & 600 COMPACT BASIC)** |

ALDEBARAN® XLD-2C / XLD-C COMPACT



Power supply BASIC / Length: 8 m

| Item no.: **1410001510** |



Power supply SWITCH (with Switchbox) / Length: 8 m

| Item no.: **1410001520** |



Power supply DIM (with Switchbox + Dimming function) / Length: 8 m

| Item no.: **1410001521** |



ALDEBARAN® XLD-C COMPACT

FLEX BOLT

Switching pin holder 30 mm with ball joint,
Star handle + ring screw,
black anodized

| Item no.: **1410960017** |

* We reserve the right to send you a similar product in terms of light output and function for the duration of the repair of your luminaire

** If the damage is caused by outside influences or improper use, we will only charge you for the repair costs.

*** The assumption of any shipping costs is limited to the territory of the Federal Republic of Germany. When using the exchange service from other European countries, shipping costs may arise for the customer. The invoice country specified when purchasing the Flex product is the valid exchange country.

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



ALDEBARAN® XLD-C COMPACT

WATERPROOF TRANSPORT CASE PM 64S-T
incl. foam inlay & rollers with trolley function
Dimensions outdoor (LxWxH): 687 x 528 x 256 mm
Dimensions indoor (LxWxH): 620 x 460 x 250 mm

| Item no.: 1410000676 |



ALDEBARAN® RAPTOR RP LED

BOLT INTAKE
with star handle for DIN bolts

| Item no.: 1410960004 |



ALDEBARAN® CRANEMASTER SETO CRANESTAR

SETO CRANE FRAME FOR BOOM
enables the reception of high-performance crane headlamps.
The crane boom is designed so that it fits all booms of top
and bottom rotary cranes of the well-known manufacturers.
Dimensions: 1199 x 768 x 143 mm, Weight: 19.5 kg

| Item no.: 1410993443 |



ALDEBARAN® CRANEMASTER SETO CRANESTAR

SETO CRANE FRAME
made of galvanized steel for mounting spotlights on
construction cranes, suitable for profile diameters of
60 - 130 mm, for hanging, with locking bolts.
Dimensions: 700 x 1200 x 300 mm, Weight: 15.6 kg

| Item no.: 1410993442 |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



SETO CRANESTAR 12K / 20K

SUPPORT FRAME FOR BOOMS
for crane booms with square profile is specially designed
for use on booms whose crossbars are made of square
profiles. Dimensions: 175 x 150 x 100 mm, Weight: 1.1 kg

| Item no.: 1410993444 |



ALDEBARAN® CRANEMASTER SETO CRANESTAR

SETO CRANE FRAME SLIM™
In contrast to conventional frames, the SLIM™ version of the
SETO crane frame is especially optimized for compact trans-
port dimensions and low weight. To ensure that it is still
compatible with most types of cranes, the basic construction
has been retained.

| Item no.: 1410993445 |



ALDEBARAN® CRANEMASTER SETO CRANESTAR

EXTENSIONS 10 m, CEE 16 A IP44
EXTENSIONS 20 m, CEE 16 A IP44
EXTENSIONS 25 m, CEE 16 A IP67
EXTENSIONS 40 m, CEE 16 A IP67
EXTENSIONS 50 m, CEE 16 A IP44

| Item no.: 1410000062 |

| Item no.: 1410000113 |

| Item no.: 1410000110 |

| Item no.: 1410000119 |

| Item no.: 1410000114 |



ALDEBARAN® 4000A X / 4000A X1 SIGNAL

ERGONOMIC CARRYING HANDLE
Suitable for X1 / X2

| Item no.: 1410993424 |

WALL BRACKET (LUMINAIRE SET)
Suitable for X1
Suitable for X2

| Item no.: 1410993425 |

| Item no.: 1410993426 |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



ALDEBARAN® 4000A X / 4000A X1 SIGNAL

CAR CHARGER
Input voltage: 12 - 24 V DC

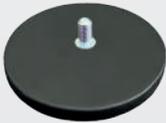
| Item no.: 49__002246 |



ALDEBARAN® 4000A X2

MAGNETIC HOLDER
Suitable for 4000A X2

| Item no.: 1410993417 |



ALDEBARAN® 1000 ALDEBARAN® 4000A X2

REPLACEMENT MAGNET

| Item no.: 1410000205 |



ALDEBARAN® 1000 / ALDEBARAN® 4000A X / 4000A X1 SIGNAL

MAGNETIC HOLDER INCL. TRACK SCREWS *(for powder - coated housing)*
UNIVERSAL HOLDER INCL. TRACK SCREWS *(for powder - coated housing)*

| Item no.: 1410993421 |

| Item no.: 1410993420 |

MAGNETIC HOLDER INCL. TRACK SCREWS
UNIVERSAL HOLDER INCL. TRACK SCREWS

| Item no.: 1410993416 |

| Item no.: 1410993415 |



ALDEBARAN® 1000 ALDEBARAN® 4000A X / 4000A X1 SIGNAL

TRACK SCREW *(1 pcs.)*
For fastening the universal holder

| Item no.: 1410000203 |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



ALDEBARAN® 1000 SERIES

VELCRO FASTENING STRAPS (*SET: 2 pcs.*)
For attachment to support poles in tents
Dimensions (LxW): 500 x 50 mm

| **Item no.: 1410000204** |



ALDEBARAN® 1000 SERIES

NYLON FASTENING STRAPS (*SET: 2 pcs*)
With plastic clip closure and additional metal clamp closure
Dimensions (LxW): 1200 x 20 mm

| **Item no.: 1410000206** |



SETO POWER LED

REMOTE CONTROL (*OPTIONAL*)
Control of brightness, mode and battery status
Only for the remote version

| **Item no.: 73__100004** |



SETO POWER LED / POWER LED FLEX

QUICKLOCK ROD FOR HEIGHT ADJUSTMENT (*REPLACEMENT*)
Delivery scope: 1 rod

| **Item no.: 73__100003** |

QUICKLOCK ROD (*XTRA LONG*)

| **Item no.: 73__100011** |



SETO POWER LED / POWER LED FLEX

TRANSPORT BAG
Dimensions (LxWxH): 400 x 250 x 320 mm
Weight: 1.20 kg

| **Item no.: 1410000668** |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



SETO ALE - SYSTEM

TRANSPORT BAG
(also for compact & telescopic tripod)

| Item no.: 1410000665 |

MOBILE - LIGHTING - SYSTEM

TRANSPORT BAG

| Item no.: 1410000667 |



SETO ALE - SYSTEM

PLATE WITH BALL STUD
for three series COMBAT-SET, mounted

| Item no.: 1410953417-M |



SETO E-POWER MOBILITY PACK

PLASTIC COVER AS RAIN PROTECTION
Size S, Dimensions (LxWxH): 420 x 260 x 170 mm

| Item no.: 1410950052 |

Size M, Dimensions (LxWxH): 420 x 310 x 180 mm

| Item no.: 1410950051 |

Size L, Dimensions (LxWxH): 550 x 350 x 240 mm

| Item no.: 1410950050 |

ALDEBARAN® SMARTLINE RP LED



NYLON STRAPS (SET: 2 pc.)
With plastic clip lock and additional
metal clip closure (L: 1,200 x W: 20 mm)

| Item no.: 1410000296 |

NYLON STRAPS (SET: 2 pc.)
Undetachable with metal clip closure (L: 1,200 x W: 20 mm)

| Item no.: 1410920038 |



ALDEBARAN® SMARTLINE RP LED

BRACKET SET CARABINER SMARTLINE
for one lamp (SET: 4 pc.)

| Item no.: 1410993430 |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



MICA® ML SERIES

FAST CHARGER MLC

With a connection voltage of 12 - 30 V DC, ideal for charging in vehicles, when connecting to the house network (230 V), the IL2 power pack is also required

| Item no.: 40__114480 |



MICA® IL SERIES

CHARGER ILC 4

12 - 24 V

| Item no.: 40__112300 |



MICA® IL / ML SERIES

POWER SUPPLY IL2

230 V incl. adapter for charger ILC + MLC

| Item no.: 40__112700 |



MICA® IL / ML SERIES

CIGARETTE LIGHTER CABLE IL4 (3 m)

For 12 - 24 V DC-connection incl. plug for ILC + MLC

| Item no.: 40__001112 |

SUPPLY CABLE (3 m)

For 12 - 30 V DC connection for car charging including screw plug + reverse polarity protection for ILC + MLC

| Item no.: 40__001113 |



SETO CLIPLIGHT ONE / SETO FLASHLIGHT FC-R

USB CHARGER

5 V, 1.5 A, 100 - 240 V AC

| Item no.: 1410930080 |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



SETO FLASHLIGHT FC-R

Li-ion battery, 2000 mAh

| Item no.: 49__001865 |



EUROLITE II LED

REPLACEMENT LEAD-GEL BATTERY
12 - 24 h charging time
6 V / 4.5 Ah

| Item no.: 38__838064 |



SETO LED INSPECTION LIGHT 2.0

USB CHARGER
5 V / 1.5 A, 100 - 240 V AC

| Item no.: 1410930080 |



SETO LED INSPECTION LIGHT 2.0

CAR ADAPTER
12 - 24 V USB

| Item no.: 30__004020 |



BASE FRAME FOR DISTRIBUTOR E-BOX 16 A / 3-6, 32 A / 1-2-6

BASE FRAME FOR DISTRIBUTOR
Dimensions (HxWxD): 1060 x 500 x 800 mm

| Item no.: 1410925098 |

ACCESSORIES . REPLACEMENT

SETOLITE LICHTTECHNIK



ALDEBARAN® CLS PRO / MOBILE - LIGHTING - SYSTEM / CRANK TRIPOD 3-LEGGED

GUYING SET: 3 guying ropes, 3 carabiners, guying plate, pegs

| *Item no.: 1410000538* |



ALDEBARAN® CLS PRO

STAINLESS STEEL LOCKING ROLLER HOLDER
with locking bolt & star grip,
180° adjustable in 9 steps

| *Item no.: 1410002033* |



ALUMINIUM STAND

FOOTPLATES K1
3 guying ropes, 3 carabiners, guying plate, pegs
Dimensions: 900 x 400 x 100 mm, Weight: 28 kg

| *Item no.: 1410000333* |



MAST / CHANGE BOLT FOR MAST SYSTEMS

For GRP CONSTRUCTION SITE TRIPOD - DIN MAST BOLT
Aluminum, d 30 x 137 mm for pipe 28 mm
with hole 10.5 mm

| *Item no.: 1410960018W* |

For CRANK TRIPOD MF 3 LEGGED - DIN MAST BOLT
Aluminum, d 30 x 100 mm

| *Item no.: 1410960034* |

BASIC PHYSICAL TERMS

PERFORMANCE

The electrical power is expressed in watts. 1 volt (*voltage*) x 1 ampere (*current*) = 1 watt

LUMEN / WATT

In lighting technology, what is striking about LED technology is the lumen / watt advertised e.g. 100 lumens / watt.

Note: This value only says something about the illuminant (the built-in LED) and not about the lamp. Without an efficiency (LOR) of the luminaire, it is impossible to draw conclusions about the efficiency of the product.

LUMINOUS FLUX

Specifies the amount of light generated by a light source (*lamp*) in the time unit. Its Si unit is the lumen. Note: Lumen (*light current*) can only be measured by appropriate measuring devices.

REAL LUMEN

Real lumen is the actual luminous flux of the luminaire and not the bulb. Note: Since there is no legal regulation so far, almost all manufacturers advertise exclusively with the luminous flux (*Lumen*) of the bulb. This does not make an assessment of the luminaire possible! In order to make a statement about the product, you necessarily need the efficiency (*LOR*) of the luminaire or the actual real lumen value of the luminaire.

ILLUMINANCE

The illuminance on an illuminated surface indicates the luminous flux in lumens per unit area in square metres. 1 lux = 1 lumen / 1 square meter. Note: illuminance (*lux*) can be measured with a simple measuring device that is available for just a few euros.

LIGHT COLOUR

Colour impression of light that comes directly from a self-illuminating light source.

Warm white = below 3000 K / Neutral white = 3300 - 5300 K / Daylight white = above 5300 K

COLOUR RENDERING INDEX

Ra or CRI (*Colour – Rendering – Index*)

Is a quality feature of artificial light compared to natural light. Note: The Ra value (*CRI*) is a fundamental value in light technology, as it makes a quality statement about light. The workplace directive EN 12 464 specifies Ra or CRI values, e.g.

CRI 90+ in medical rooms / CRI 80+ in the office area.

LIFE TIME

The lifetime of the LED is usually given as 50,000 hours, e.g. after that time, the average luminous flux has fallen to 70 % of the initial value.

BASIC PHYSICAL TERMS

LEDs

“Light-Emitting-Diode” Semiconductor – an electronic component

POWER LED

LEDs in the order of 1 Watt or more

LED ARRAY

Accumulation of many LEDs with low power in order to better distribute the heat generated. LED arrays usually already have a multiple of the cooling surface than power LEDs.

White LED

White LEDs are originally blue LEDs with a layer of luminescence above them. This layer is responsible for the white shade (*warm white to daylight white*) but also for the CRI, the colour rendering index

RGB LED

These are LEDs, which are made of three different crystals, which in turn produce three different colours (*red – green – blue*). With special electronics, up to two million colours can be mixed, including all conceivable white tones. However, RGB LEDs are limited in terms of performance.

EFFICIENCY

stands for economy, quality, economic efficiency

ENERGY EFFICIENCY

stands for effectiveness (*measurement of effectiveness, efficiency*)

LIGHT POLLUTION

Describes the brightening of the night sky by light sources. In addition to the unnecessary energy consumption, which is immensely high (*sometimes over 50%*) because the light is not directed and shines freely into the sky, it also has enormous negative effects on living organisms.

Standard conditions of sale and delivery

1. Recognition of the terms and conditions of sale and delivery

Delivery shall only be made on the basis of the following conditions, which shall be deemed to have been accepted by placing the order. Conditions other than those shown here, i. e. in particular contradictory or supplementary general terms and conditions of the other party, do not apply. Anything else shall only apply if the terms and conditions to the contrary have been accepted by us in writing. Our silence shall not be construed as consent. Supply works and also purchasers waive the objection of any verbal ancillary agreements. The remaining terms shall not be affected by modification of any of our terms and conditions.

2. Offers

Our offers are always subject to change and non-binding, insofar as they do not contain any statements to the contrary. Orders shall only be deemed accepted if they have been confirmed by us in writing. This also applies to sales, additions, amendments or oral side agreements concluded by representatives require written confirmation by us to be effective. Illustrations, drawings, dimensions, weights and shades contained in catalogues, price lists and other printed matter represent industry-standard approximation values. In addition, we reserve the right to make changes that are technically necessary or urgently necessary for the design. In addition, for orders for special production: information on design, dimensions, etc. require, without exception, written confirmation.

3. Prices

Prices are to be understood, unless otherwise agreed, from our warehouse Hückeswagen. They do not include VAT, packaging, freight, insurance and stamp costs. Orders for which prices are not agreed are charged at reasonable daily prices. Prices are only valid for the place of use indicated in the offer. If there is a significant change in order-related cost factors (f. e. g. wages, materials, energy), the agreed price may be adjusted to an appropriate extent according to the influence of these cost factors.

4. Packaging

The delivered goods shall be packed at our discretion in a commercial manner and at the expense of the purchaser. The packaging will be charged at the lowest price and will not be taken back.

5. Delivery and dispatch

Deliveries are made at our discretion by rail, post, freight forwarder or our own trucks. If the goods are shipped to the customer at the customer's request, the risk of accidental destruction and accidental deterioration of the goods shall pass on to the customer upon delivery to our shipping agent, but at the latest upon leaving the factory/storage. The purchaser shall bear the shipping costs. The buyer may not reject partial deliveries. In the case of the delay of delivery to be accounted for by the purchaser or of dispatch, the risk passes to him with the indication of readiness for dispatch. Upon delivery, noticeable defects in packaging or goods must be indicated to the dispatch service provider at the time of acceptance of the goods, as well as to the sender within one working day. Otherwise, the goods shall be deemed to be "approved."

6. Delivery time, force majeure, labour measures

The delivery time is only deemed to be approximately agreed. The delivery period begins on the day of dispatch of the order confirmation, but not before the submission of all the documents necessary for the execution of the order, and is deemed to have been complied with if the goods have left the factory/storage by the end of the delivery period or if the goods have been declared ready for dispatch. Proper and timely self-delivery is reserved. If the supplier is prevented from fulfilling his obligation by the occurrence of unforeseeable circumstances which he could not avert despite the reasonable care required by the circumstances of the case, e. g. B. Disruption of operation, delay in delivery of essential parts, the delivery period shall be extended to an appropriate extent if the delivery or service is not impossible. Is by o. a. If the delivery or service is impossible, the supplier shall be released from the delivery obligation. The same applies to strikes and lockouts.

If, in these cases, the delivery time is extended or if the supplier is released from the delivery obligation, any claims for damages of the customer derived from this shall be waived, except for those based on intentional or grossly negligent conduct of the supplier or its senior employees, or relating to injury to life, limb or health. If the aforementioned circumstances occur with the customer, the same legal consequences shall also apply to his obligation to purchase. Deliveries ordered on demand must be accepted within 6 months of order confirmation.

7. Notification of defects, warranty / limitation period, liability

a) Warranty entitlements in kind

A prerequisite for the acceptance of a notification of defects is the prompt, proper and careful inspection of the customer's incoming goods. Liability for defects is generally rejected in the case of natural wear and tear or damage caused by incorrect treatment, excessive stress, inappropriate use, exposure to excessive heat or cold, failure to lubricate, chemical, electro-chemical or electrical influences. To ensure the function of the tools or luminaires, please refer to our product information.

The warranty claim is excluded as soon as any subsequent work or changes are made to the goods. If the delivered goods are defective or lack guaranteed properties, the supplier shall, at his choice, supply or repair replacement without further warranty claims of the purchaser. If the Supplier allows an appropriate extension period – which will periodically last for 6 weeks – to expire without having made a replacement or remedied the defect, the Customer shall have the right of his choice to reduce or withdraw from the contract; the assertion of further claims is excluded. Defective goods may not be further processed. The detection of such defects must be communicated to the supplier in writing without delay - in the case of recognizable defects within 7 days after receipt, in the case of non-recognizable defects immediately after recognizability. The customer shall ensure that the damage is kept as low as possible. The warranty period shall expire no later than 12 months after the goods have left the supplier's factory/warehouse. We are liable for replacement deliveries and repair work to the same extent as for the original delivery item. For replacement deliveries, the warranty period begins to run anew. We are not liable for errors arising from the documents submitted by the customer (drawings, samples and the like). I'll give it to you. Defects of part of the goods do not entitle the purchaser to object to the entire goods. Goods may only be returned with our consent and must be returned by the buyer at the supplier's request at the lowest cost.

b) Other claims for damages

Other claims for damages, unless they relate to the injury of life, body and health, are excluded from the impossibility of performance, from delay, from a positive breach of claim, from fault at the conclusion of the contract and from an unlawful act, unless they are based on intent or gross negligence on our part, our senior employees or our vicarious agents. Claims from the Product Liability Act are not taken into account.

8. Terms and conditions of payment/abrechnungsbedingungen

Pricing and calculation are in EURO. All changes in the exchange rate of the EURO occurring after the sale (date of order confirmation)

Invoices are payable from the invoice date within the payment conditions shown on the respective invoice.

Bills of exchange and cheques will only be accepted for performance without guarantee of protest and only after agreement and under the condition of discountability. Discount charges shall be borne by the purchaser from the date of due date of the invoice amount and shall be payable immediately. If the target is exceeded, default costs may be calculated at a rate of 3% above the Bundesbank discount, unless the supplier provides evidence of higher borrowing interest. Unknown purchasers will only be sent against cash on delivery or against advance dispatch of the invoice amount.

When accepting orders, we assume the creditworthiness of our customer. If we become aware of reasons that give rise to legitimate doubts as to whether the orderer will continue to comply with proper payment, e. g. e. g. settlement procedures, imminent cessation of payments, etc., we are entitled to withhold deliveries that have not yet been made and to withdraw from the contract. Claims for damages cannot be asserted from this. This does not release the customer from his obligations arising from the parts of the contract already fulfilled by us.

The withholding of payments or the offsetting of any counterclaims of the Customer is only permissible if the counterclaims of the Customer are legally established or are not disputed by us.

9. Retention of title

The delivered goods remain the property of the Supplier until all claims arising from the business relationship between the Supplier and the Customer have been paid in full and until the bills of exchange and cheques have been paid for them. By way of derogation from § 449 para. 2 BGB the Supplier may withdraw from the contract even if the Purchaser is in default of payment. Adding individual receivables to a current account as well as the drawing of balances and their recognition shall not affect the retention of title. The buyer is entitled to resell the reserved goods in the ordinary course of business, but he is not permitted to make a pledge or an appropriation of security.

The customer already assigns the customer's claim from the resale of the reserved goods to the supplier; the supplier accepts this assignment. The customer is entitled to collect these claims as long as he fulfils his obligations towards the supplier. At the supplier's request, the buyer is obliged to specify the third-party debtors and to notify them of the assignment.

Any processing and processing of the goods subject to retention of title shall be carried out by the customer on behalf of the supplier without incurring any obligations for the latter. If the delivered goods are processed or linked to other goods, the supplier's property does not thereby expire, but he becomes co-owner of the new goods in proportion to the invoice value of his reserved goods to the other processed goods. If the goods subject to retention of title are resold after processing or combination with other goods, the above-agreed advance assignment shall apply only to the amount of the invoice value of the goods subject to retention of title.

The purchaser shall immediately inform the supplier of any enforcement measures taken by third parties in respect of the goods subject to retention of title or in respect of claims assigned in advance by handing over the documents necessary for intervention. The Supplier undertakes to release the securities to which it is entitled in accordance with the above provisions upon request and at the discretion of the Customer insofar as the value exceeds the subsidies to be secured by 20%.

10. Tooling costs

Tool costs are calculated separately from the value of the goods

a) The purchaser does not acquire any entitlement to the tools by paying for the cost shares for the tools; instead, they remain the property and property of the manufacturer. The manufacturer undertakes to store the tools for the customer 1 year after the last delivery. If the customer is informed before the expiry of this period that orders will be placed within a further year, the retention period is extended by another year. After this time and absence of re-ordering, the manufacturer can freely dispose of the tools.

b) Incurring tool costs for unsuccessful orders: We reserve the right to settle the costs incurred for orders that are cancelled at the development stage (due to difficulties in forming or forming) or during the start-up period.

aa) Before the release of the specimens, the costs incurred for: the first set of tools,

bb) in case of cancellation after type release depending on the amount of the planned Monthly requirements the costs incurred for the full scope of the Serial tools, special equipment and teaching are invoiced.

The tools processed and invoiced will remain open for inspection for four weeks and will be scrapped at the end of the period. Completed stadium plans and design drawings of the tools are not subject to the requirement of proof in order to protect the procedures used.

11. Choice of law, place of jurisdiction and place of performance

The parties to the contract expressly agree as a choice of law the validity of German law (BGB, HGB). The application of the uniform purchase laws as well as other laws is excluded. The place of performance is the place of our company headquarters. The place of jurisdiction for disputes with purchasers who are registered traders, a legal entity under public law or a special fund under public law shall be the competent court for our registered office. However, we reserve the right to sue at the buyer's place of business and domicile.

12. Service, repairs and complaints

Please note when returning your goods for service, repair or complaint purposes. Please also use our separate service terms and conditions. These can be found on the internet at our Website in the area of the General Terms and Conditions.



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